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INDEX-CATALOGUE OF MEDICAL AND VETERINARY ZOOLOGY

SUPPLEMENT 22, PART 6, SECTION **A**. SUBJECT HEADINGS: **A — I**

PARASITE-SUBJECT CATALOGUE
SUBJECT HEADINGS AND TREATMENT

UNITED STATES
DEPARTMENT OF
AGRICULTURE

PREPARED BY
SCIENCE AND
EDUCATION
ADMINISTRATION

INDEX-CATALOGUE OF MEDICAL AND VETERINARY ZOOLOGY

SUPPLEMENT 22, PART 6, SECTION A. SUBJECT HEADINGS: A–I

PARASITE-SUBJECT CATALOGUE SUBJECT HEADINGS AND TREATMENT

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PREFACE

The Index-Catalogue of Medical and Veterinary Zoology is an index to the world's literature on animal parasites of animals, including man. The Catalogue is distributed to qualified individuals and libraries throughout the world without charge. It has been maintained in cumulative files since 1892. Only the Author Catalogue has been published in its entirety. A revision of the Author Catalogue of the Index-Catalogue of Medical and Veterinary Zoology, consisting of Parts 1 to 18, was published during the period 1932-52. Beginning in 1953, a series of supplements designed to publish the backlog was initiated. This was completed with Supplement 6, published in 1956. From 1956 to 1964, supplements covering authors A to Z were issued on an annual basis.

Beginning with Supplement 15, the Parasite-Subject Catalogues, containing indices to the author references, have been issued. The Author Catalogues of Supplements 15-21 continued the format of previous supplements. Users should note that for each reference in the Author Catalogues of these supplements the author(s) plus the date and letter (e.g., Smith, J.; and Doe, L., 1978 b) are the key to all items in the Parasite-Subject Catalogues derived from that reference. In other words, when using the Parasite-Subject Catalogues of Supplements 15-21, it is necessary to consult the Author Catalogue of the corresponding supplement for complete bibliographic information.

Commencing with Supplement 22, basic bibliographic information is included with each entry in Parts 2-7. It should be emphasized, however, that it will still be useful to consult the Author Catalogue for a variety of other information that may be found there: Title of the reference, translated title, language of text and summaries, issue date, library from which the original may be obtained, published corrections, related references by the same author, and other miscellaneous information.

Each supplement consists of the following parts:

- Part 1, Authors: A-Z
- Part 2, Parasite-Subject Catalogue: Parasites: Protozoa
- Part 3, Parasite-Subject Catalogue: Parasites: Trematoda and Cestoda
- Part 4, Parasite-Subject Catalogue: Parasites: Nematoda and Acanthocephala
- Part 5, Parasite-Subject Catalogue: Parasites: Arthropoda and Miscellaneous Phyla
- Part 6, Parasite-Subject Catalogue: Subject Headings and Treatment
- Part 7, Parasite-Subject Catalogue: Hosts

Users should bear in mind that this is an Index-Catalogue, not a treatise, and should not expect to find reasons for any given entry. Nor does citing of synonymy mean that it is necessarily correct. The same statement holds for hosts, locations, localities, authorship of taxa, designation of new taxa, etc. These items are cited as given by the author(s) of the publication being indexed.

The information included in any given supplement represents only the publications that have been indexed in that supplement; and therefore, exclusion of, or limited entries for, any given author or parasite has no significance. No pretension is made for completeness, and assistance in correcting errors or obtaining additional information is appreciated. Reprints of papers on parasitology are requested.

EXPLANATORY NOTE

Author Catalogue

The Author Catalogue (Part 1 of each supplement) contains full bibliographic information for each publication indexed during the compilation of that supplement. A symbol for the library from which the original publication may be obtained is given at the end of each entry, e.g., Wa, Wm, Wc, etc. A key to these library symbols may be found in Supplements 10 and 20. A list of serial abbreviations new to our files is published at the beginning of each Author Catalogue.

Parasite Catalogues

The Parasite Catalogues (Parts 2-5 of each supplement) are divided by parasite phyla (Protozoa, Trematoda, etc.). They are arranged alphabetically by genera, parasitic diseases, and higher taxa and then alphabetically by species within genera. Entries under each heading are in turn arranged alphabetically by authors and then chronologically for each author. Each entry consists of the name of the parasite or parasitic disease, the author(s) of the publication, date, abbreviated title of the publication, volume, number, inclusive pages, and a subheading. Illustrations of parasites are indicated by the word illus. following the name of the parasite.

►Fasciola hepatica, illus.
  ►Smith, J.; and Doe, L., 1978, J. Parasitol., v. 64 (1), 30-38
    ►Fasciola hepatica, white mice, successful vaccination with culture incubate antigens and antigens from sonic disruption of immature worms
    Subheading
  Bibliographic information (author line(s))
Entry term

A variety of information is found indented beneath the author line(s) of each entry: Classification, hosts, synonymy, keys, treatment, etc. Subheadings are guides to the subject matter of the publication.

(1) **Classification:** In entries based on systematic articles, the subheading may give the higher taxa in which the taxon has been placed or it may list the lower taxa included in a higher taxon.

(2) **Hosts:** The only hosts recorded are those that pertain directly to the author's own work. Scientific host names are used unless the author gives only common names, in which case the host names are given exactly as in the original publication.

However, when host common names are in Cyrillic alphabet languages, host Latin names are assigned and listed instead of the common name; these are in square brackets [ ].

Locations of parasites in or on hosts are given in parentheses ( ). Where a host-parasite relationship is well known, a host may be given under a parasite name and not in the Host Catalogue; this applies particularly to parasites of medical and veterinary importance and of worldwide distribution. A + before the host name on the parasite entry means that no host entry was made for this particular reference.

(3) **Synonymy:** Usually only those synonyms which the author indicates as new, or which are new to the files of the Index-Catalogue of Medical and Veterinary Zoology, are given.

(4) **Keys:** The subheading "key" indicates that the name is included in a taxonomic key.

(5) **Treatment:** When there are several antiparasitic agents mentioned in a publication, a general term is used in the subheading, e.g., anthelmintics, insecticides, protozoacides. However, in the Treatment Catalogue, all agents tested by the investigator(s) are listed.

(6) **Geographic Distribution:** When there are multiple hosts and geographic localities, the appropriate locality is

recorded after each host name; when the hosts of a parasite are all from one locality, they are recorded as "all from" this locality.

(7) **Other Subject Matter:** Phrases indicate other subject matter discussed (e.g., immunity, metabolism, morphology, etc.).

Subject Headings Catalogue

The Subject Headings Catalogue (the first section of Part 6 of each supplement) is an alphabetic arrangement of entry terms from a controlled list of subject headings. Each entry consists of the subject heading, bibliographic information, and a subheading reflecting the information contained in the paper. Subject headings with numerous entries are separated into alphabetized subdivisions, e.g.,

Immunity
Immunity, Agglutination
Immunity, Allergy

Treatment Catalogue

In the Treatment Catalogue (a section of Part 6 of each supplement), all entries referring to one antiparasitic agent are grouped under one heading (regardless of the name used by the investigator) and are then listed alphabetically by author. Other names for the same agent are cross-referenced to the name used for filing. When generic and chemical names are available, preference is given to those names as headings rather than to trade names or code numbers and letters. Code number designations for compounds are entered in the Number Index in numerical order and cross-referenced to the name under which they are listed in the alphabetical section. Salts of a compound are usually grouped together, e.g., piperazine adiphate, piperazine citrate, etc., are all listed under Piperazine. Sometimes verifying synonymy of drug names is impossible; consequently, groupings and cross-references are not always authenticated although as many as possible have been checked with reliable sources. In some instances, the cross-references are based entirely on information in papers indexed and verification was not possible. Foreign language terminology has been anglicized where feasible. Chemosterilants, Molluscicides, and Repellents are entered under these three collective headings and not under the individual chemical. The format is the same as the parasite entries: Entry term (in this case, drug name), bibliographic information, and subheading.

Host Catalogue

The Host Catalogue (Part 7 of each supplement) is arranged alphabetically by genera, common names, and higher taxa and then alphabetically by species within genera. Nominate subspecies are interfiled with the species. Entries under each heading are in turn arranged alphabetically by author(s) and then chronologically for each author. The format is the same as in the other Catalogues, i.e., entry term (in this case, host name), bibliographic information, and subheading. Indented beneath the author line(s) of each host entry are all the parasites of a particular phylum that were reported from this host in the paper in question. Body locations of these parasites will be found in parentheses ( ) either in the subheading or with the host name. Experimental infection is reported as such. When there are multiple parasites and geographic localities, the appropriate locality is recorded after each parasite name; when the parasites from this host are all from one locality, they are recorded as "all from" this locality. When authors use only common names of hosts, scientific names are cautiously supplied from authoritative sources after careful consideration. Cross-references from the common name used by the author to the scientific name supplied by the Index-Catalogue are filed among the host entries. Such supplied names are given in square brackets [ ]. If a scientific name cannot be supplied, English common names are used. Scientific names or English common names are always supplied for common names in Cyrillic alphabet languages, and no cross-references are made. Surveys of parasites of humans and domestic animals are often indexed under geographic headings and entered in Part 6, Subject Headings, in addition to appearing in the Host Catalogue. In this case, all parasite phyla are grouped under the same host entry, and individual parasite entries are not included in the Parasite Catalogue.

Visitors are welcome to come to the Animal Parasitology Institute to use the cumulative files. Arrangements should be made in advance for lengthy visits.

All correspondence should be addressed to:

Index-Catalogue of Medical and Veterinary Zoology
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USDA, SEA-AR, BARC-East, Building 1180
Beltsville, Maryland 20705 U.S.A.

It is hoped that these Catalogues will serve as a useful tool to workers in the field of parasitology. Users are requested to preserve the Catalogues, since they are not designed for general distribution and the edition is limited.

The compilers thank the staffs of the Technical Information Systems of the Science and Education Administration, the National Library of Medicine, and all other libraries who have aided us invaluably by making publications available to us.

Trade names are used in this publication solely for the purpose of providing specific information. Mention of a trade name does not constitute a guarantee or warranty of the product by the U.S. Department of Agriculture or an endorsement by the Department over other products not mentioned.

Abnormalities. See Anomalies.

Abortion
Arnaudov, D.; et al., 1976, Vet. Med., Praha, v. 49, v. 21 (6), 375-384
Toxoplasma gondii, sheep, immunoepizootiological study by hemagglutination, indirect fluorescence, and microprecipitation reaction in agar gel; higher incidence in aborting ewes and in sheep in montane regions: Bulgaria; Czechoslovakia

Abortion
Donev, A., 1975, Vet. Med. Nauki, v. 12 (1), 64-68
final results of pregnancy in 5 flocks of sheep positive for toxoplasmosis using complement fixation test, abortions believed not to be due to toxoplasmosis

Abortion
Fayer, R.; Johnson, A. J.; and Lunde, M., 1976, J. Infect. Dis., v. 134 (6), 624-628
Sarcocystis fusiformis, field bred cows (exper.), clinical and pathological signs of infection, occurrence of abortions, no evidence of congenital transmission to calves or fetuses; Sarcocystis may play significant role in bovine abortions

Abortion
Kendrick, J. W., 1976, Theriogenology, v. 5 (3), 150-152
Trichomonas foetus-induced abortion in cattle, laboratory diagnosis, organisms in placental fluid or abomasal contents of aborted fetus; culture medium

Abortion
Koplatadze, D. K.; and Gogiashvili, L. E., 1975, Soobshch. Akad. Nauk Gruzinsk. SSR, v. 80 (1), 205-208
toxoplasmosis, pregnant women, change of placenta ultrastructure (syncytium and trophoblast cells), can lead to death of placenta and interruption of pregnancy

Abortion
Laudanski, T., 1974, Polski Tygod. Lekar., v. 29 (32), 1389-1390
Toxoplasma gondii causing habitual abortion in women successfully treated with daraprim in conjunction with rovamycin or bayrena, normal healthy newborns delivered after therapy: Poland

Abortion
Leek, R. G.; and Fayer, R., 1978, Cornell Vet., v. 68 (1), 108-123
Sarcocystis ovicanis-induced abortion in sheep (exper.), clinical signs, pathology, no evidence of intrauterine transmission

Abortion
Lenzi, E., 1976, Patol. e Clin. Ostet. e Ginec., v. 4 (2), 95-98
human toxoplasmosis and association with habitual abortion, value of systematic evaluation for toxoplasmosis in cases of abortion and prophylactic therapy with pyrimethamine: Italy

Abortion
Mahajan, R. C.; et al., 1976, Indian J. Med. Research, v. 64 (6), 797-800
possible role of Toxoplasma gondii in sporadic or habitual abortion of human pregnancy

Abortion
Munday, B. L.; and Black, H., 1976, Ztschr. Parasitenk., v. 51 (1), 129-132
protozoans resembling Sarcocystis in brains of bovine foetuses and in placentas from aborted cows, pathological changes

Abortion
Seamon, P. J.; et al., 1977, Vet. Rec., v. 101 (16), 324-325
Toxoplasma cysts, mice (exper.), latex agglutination test as a rapid diagnostic method, application to diagnosis of ovine abortion

Abortion
Stray-Pedersen, B.; and Lorentzen-Styr, A.M., 1977, Am. J. Obst. and Gynec., v. 128 (7), 716-721
Toxoplasma gondii in pregnant women, possible role of uterine infections in sporadic and habitual abortions, comparative study of controls and women with suspected infections using seroimmunologic methods and endometrial biopsies: Oslo, Norway

Abortion
Waldeland, H., 1976, Acta Vet. Scand., v. 17 (4), 412-425
Toxoplasma gondii, sheep, importance as a cause of reproductive loss, main cause of abortion: Norway

Abortion
Waldeland, H., 1977, Acta Vet. Scand., v. 18 (1), 91-97
Toxoplasma gondii, sheep flocks, reproductive loss in specific age groups, apparently no transmission between sheep, probably transmitted by silage

Abscess
Chastel, C.; Thomas, J.; and Bordahandy, R., 1971, Medecine Trop., v. 31 (3), 327-332
unidentified fluke causing fatal hepatic distomiasis and multiple necrotic abscesses of abdominal subcutaneous tissues in young child: Biafran Zone of Nigeria

Abscess
Gortazar Hijar, P.; and Cigala Cano, J. L., 1970, Minerva Pediat., v. 22 (26), 1333-1335
Ascaris lumbricoides infection in child resulting in cholecystitis and hepatic abscess, case report, clinical management: Guadalajara

Abscess
James, T., 1970, Med. Proc., Johannesburg, v. 16 (8), 127-131
Ascaris lumbricoides abscess of liver in young children, clinical symptoms and pathology

Abscess
Khamboonruang, C.; and Sakulwong, K., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (4), 588 [Demonstration]
Fasciola hepatica, immature adult worm removed from abscess on right breast region of 9-year old girl, clinical report: Chiengmai, Thailand

Abscess
Lee, J. C., 1972, Nettai Igaku (Trop. Med.), v. 14 (2), 97-110
Trichomonas vaginalis, in vitro growth inhibiting effects of 8 antitrichomonal drugs; therapeutic effects of trichomycin, piperanitrozole, metronidazole and nimorazole against abscess formation in mice (exper.)

Abscess
Lie Kian Joe; et al., 1962, Med. J. Malaya, v. 17 (1), 37-39
trematode ova, probably Poikilorchis sp., found in retro-auricular abscess excised from child, possible infection from eating fresh water crabs: Sarawak

Abscess
Rosencrans, M.; and Barak, J., 1969, N. York State Dental J., v. 35 (5), 271-273
Taenia solium in human, Cysticercus cellulosae with abscess formation excised from lesion on mucosal surface of man's lip: New York City

Abscess
Wong Soon Kai; and Lie, K. J., 1965, Med. J. Malaya, v. 19 (3), 229-230
trematode eggs removed from exudate and wall of excised periauricular abscess of child probably ova of Poikilorchis sp.: Sarawak

Abscess, Amebic
Abioye, A. A., 1976, J. Trop. Med. and Hyg., v. 79 (11), 252-255
Entamoeba histolytica, drug (emetine, metronidazole) and immuno-diagnostic (fluorescent antibody, gel diffusion and latex agglutination tests) resistant amoebic hepatic abscess in man, case report, blood-abscess cavity barrier postulated as possible mechanism for diagnostic failure: Nigeria

Abscess, Amebic
Alora, B. D.; Ramon, F. J.; and Tan-Alora, A., 1972, Philippine J. Int. Med., v. 10 (1), 40-47
human amoebiasis, radiologic visualization of hepatic abscess cavity after aspiration in order to assess size of cavity and response to therapy

Abscess, Amebic
Apt, W.; Difilippi, C.; and Subiabre, V., 1972, Bol. Chileno Parasitol., v. 27 (1-2), 55-56
Entamoeba histolytica trophozoites in exudates of hepatic abscess in young girl, case report: Chile

Abscess, Amebic
Berthoud, S.; Rime, F.; and Buffle, P., 1976, Schweiz. Med. Wchnschr., v. 106 (24), 828-830
hepatic amoebic abscess presenting with systemic symptoms in man who had traveled extensively in tropics, abscess masked by previous treatment of intestinal symptoms with iodoquinolines, diagnosed by liver scan and cured with metronidazole: Switzerland

Abscess, Amebic
Bhasin, A. S.; et al., 1977, J. Trop. Med. and Hyg., v. 80 (8), 169-172
human hepatic amoebic abscesses, use of micro-opaque barium sulfate to assess resolution time of abscesses, favorable comparison with scintiscanning

Abscess, Amebic
Bray, R. S.; and Harris, W. G., 1977, Clin. and Exper. Immunol., v. 29 (1), 147-151
Entamoeba histolytica, guinea pigs, cellular immune responses to amoebic liver abscess, no dermal hypersensitivity but positive lymphocyte transformation and macrophage-migration inhibition, time sequence of responses, role of immunodepression unclear

Abscess, Amebic
Bunnag, D.; et al., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (1), 99-102
human hepatic amoebic abscess, successful clinical trials combining a single course of metronidazole with abscess aspirations: Bangkok, Thailand

Abscess, Amebic
Cordero A., O., 1974, Neumol. y Cirug. Torax, v. 35 (2), 83-89
human amoebiasis, thoracic complications of hepatic abscess, clinical aspects, surgical management, diagnosis

Abscess, Amebic
Dharmalingam, S. K.; and Mahadev, V., 1970, Med. J. Malaya, v. 25 (2), 83-90
radioisotope color scanning of the liver in diagnosis of human hepatic amoebic abscess

Abscess, Amebic
Diaz M., G. S.; et al., 1971, Neumol. y Cirug. Torax, v. 32 (6), 393-403
human hepatic amoebic abscess with resulting amoebic pericarditis, need for early diagnosis stressed: Mexico

Abscess, Amebic
Dournovo, P.; et al., 1976, Nouv. Presse. Med., v. 5 (34), 2237-2239
human hepatic amoebic abscess, clinical cases, current status of therapy

Abscess, Amebic
Doust, B. D., 1976, Gastroenterology, v. 70 (4), 602-610
use of ultrasound to diagnose and assess healing process of human amoebic liver abscess

Abscess, Amebic
El-Zayadi, A. M.; Hartmann, M. G.; and Mohr, W., 1976, J. Trop. Med. and Hyg., v. 79 (6), 120-122
patterns of liver function and blood protein abnormalities in human chronic amoebiasis and amoebic hepatic abscess

Abscess, Amebic
Farid, Z.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 822-823
Entamoeba histolytica, human hepatic amoebic liver abscess as frequent cause of obscure fever, diagnosis by counterimmunoelectrophoresis and other immunoserologic techniques, metronidazole successful as initial therapy but combined with aspiration and drainage of large abscesses: Cairo, Egypt

Abscess, Amebic
Geslien, G. E.; Thrall, J. H.; and Johnson, M. C., 1974, J. Nuclear Med., v. 15 (7), 561-563
human hepatic amoebic abscess, gallium scanning to assess size and resolution of acute lesions

Abscess, Amebic
Goegler, H.; and Knight, R., 1974, Ann. Trop. Med. and Parasitol., v. 68 (2), 177-185
Entamoeba histolytica, hamsters, effect of hepatic injury upon development of amoebic liver abscess

Abscess, Amebic
Gregory, P. B., 1976, Gastroenterology, v. 70 (4), 585-588
case report of refractory hepatic amoebiasis in man despite multiple courses of emetine, chloroquine, and metronidazole, final resolution of infection after treatment of Entamoeba histolytica intestinal infection with various drugs considered as probable cause of continuing reinfection of liver: California

Abscess, Amebic
Gruet, M.; et al., 1973, Medecine et Armees, v. 1 (3), 5-10
human hepatic amoebiasis, use of scintigraphy to diagnose amoebic abscess and evaluate need for surgical intervention

Abscess, Amebic
Haff, R. C.; and Norgaard, R. P., 1974, Mil. Med., v. 139 (3), 192-195
human amoebiasis, metronidazole treatment of cecal amebomas and hepatic abscesses after locating by liver scan, military personnel returning from duty in Southeast Asia

Abscess, Amebic
Jarpa, A., 1972, Bol. Chileno Parasitol., v. 27 (3-4), 96-102
statistical analysis of clinical records of 85 patients with hepatic amoebiasis abscesses: Santiago, Chile

Abscess, Amebic
Kane, J. G.; Fossieck, B. E., jr.; and Parker, R. H., 1976, J. Am. Med. Ass., v. 236 (23), 2653-2654
Entamoeba histolytica, false-positive reaction in therapeutic trial using metronidazole to differentiate between human pyogenic and amebic liver abscess: Washington, D. C.

Abscess, Amebic
Kenney, M.; et al., 1975, N. York State J. Med., v. 75 (9), 1542-1543
Entamoeba histolytica, amoebic lung abscess in man who 5 years previously had been treated for intestinal amoebiasis, case report, differential diagnosis: New York City

Abscess, Amebic
Lamont, A. C.; and Wicks, A. C. B., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 302-305
amoebic liver abscess, review of 88 patients, clinical aspects including some atypical presentations, laboratory investigations, need for diagnostic awareness in young age groups, metronidazole drug of choice with repeated aspirations for large abscesses: Rhodesia

Abscess, Amebic
Lane, D., 1969, Med. J. Australia, v. 1 (15), 764-767
differential diagnosis of human hepatic amoebic abscess from primary hepatic carcinoma

Abscess, Amebic
Leuschner, U., 1972, Medicina Alemana, v. 13 (6), 903-911
clinical review of diagnosis and treatment of human hepatic amoebic abscess

Abscess, Amebic
McCort, J. J., 1976, West. J. Med., San Francisco, v. 124 (5), 426-428
diagnosis of human hepatic amoebic abscess using total body opacification and tomography

Abscess, Amebic
Maldonado Ramirez, H.; et al., 1972, Neumol. y Cirug. Torax, v. 33 (1), 19-24
human amoebic hepatic abscess with associated amoebic pericarditis and tamponage, surgical management of 3 cases: Mexico

Abscess, Amebic
Miyamoto, A. T.; Thadepalli, H.; and Mishkin, F. S., 1974, N. England J. Med., v. 291 (25), 1363 [Letter]
human hepatic amoebic abscess, ^{67}gallium images of gallium citrate scan used in diagnosis

Abscess, Amebic
Morin, M. E.; Baker, D. A.; and Marsan, R. E., 1976, J. Am. Med. Ass., v. 236 (14), 1607-1608
human hepatic abscess of Entamoeba histolytica origin diagnosed by total body opacification and evaluated post therapy

Abscess, Amebic
Morris, J.; et al., 1969, Med. J. Australia, v. 2 (26), 1301-1303
use of liver scanning in the diagnosis of human Entamoeba histolytica hepatic abscess

Abscess, Amebic
Munabe, K. K.; et al., 1975, Mater. Med. Pol. (22), v. 7 (1), 41-46
amoebiasis, locations of human hepatic abscess, clinical picture and differentiation from various other hepatic pathologies

Abscess, Amebic
Parrish, R. A., jr.; and Still, J., 1970, Med. Times, New York, v. 98 (2), 157-160
amoebic abscess of liver in children, diagnostic problems, clinical management: Georgia

Abscess, Amebic
Payet, M.; Sankale, M.; and Ancelle, J. P., 1970, Medecine Afrique Noire, v. 17 (3), 219-224
medical management of amoebic hepatic abscesses, case reports, evaluation of treatment using scintography

Abscess, Amebic
Ramachandran, S., 1974, Postgrad. Med. J., London (589), v. 50, 689-693
human hepatic amoebiasis, radiologic changes in left lobe amoebic liver abscess provides adequate diagnostic confirmation

Abscess, Amebic
Ramachandran, S.; Shanmuganathan, S. S.; and Nagarajah, N., 1976, J. Trop. Med. and Hyg., v. 79 (5), 97-101
human serum protein estimations in hepatic amoebic abscess, pre-treatment and post-treatment surveillance

Abscess, Amebic
Ramirez Sanchez, C.; and de Cisneros Santos, T. A., 1976, Medicina, Mexico (1212), an. 57, v. 56, 279-282
amoebiasis, human, surgical treatment of hepatic abscesses that had responded poorly to previous metronidazole and emetine therapy: Puebla, Mexico

Abscess, Amebic
Rasaretnam, R.; and Wijetilaka, S. E., 1976, Postgrad. Med. J., London (607), v. 52, 269-274
aids to diagnosis of less frequently occurring left lobe hepatic abscess resulting from human Entamoeba histolytica infection, case analyses, presenting symptoms

Abscess, Amebic
Ravi, V. V.; et al., 1975, Indian J. Med. Research, v. 63 (12), 1732-1736
titers of indirect hemagglutination test and complement levels compared using sera and abscess pus from patients infected with hepatic amoebic abscesses, sero-negative and sero-positive cases investigated for possible differences in immune responses

Abscess, Amebic
Sapunar, J.; Munoz, M. A.; and Castro, J., 1967, Bol. Chileno Parasitol., v. 22 (2), 60-65
Entamoeba histolytica, case report of hepatic abscess in man which ruptured into the bronchi after abscess aspiration, emetine and chloroquine therapy: Santiago, Chile

Abscess, Amebic
Scragg, J. N.; and Proctor, E. M., 1977, Arch. Dis. Childhood, v. 52 (5), 408-410
Entamoeba histolytica in children, tinidazole highly effective in treatment of hepatic abscess, clinical trials: South Africa

Abscess, Amebic
Stotka, V. L., 1975, North Carolina Med. J., v. 36 (10), 607-611
Entamoeba histolytica, hepatic abscesses in Vietnam veterans, diagnostic difficulties, clinical aspects: North Carolina

Abscess, Amebic
Tandon, B. N.; et al., 1975, Exper. and Molecular Path., v. 23 (2), 155-163
Entamoeba histolytica, human, amebic abscess, electron microscopic study of liver biopsies, evidence of diffuse parenchymal injury similar to that reported for patients with non-suppurative hepatic amebiasis

Abscess, Amebic
Tubis, M.; et al., 1975, Nuclear-Med., v. 14 (2), 163-171
human amoebiasis, labeled metronidazoles (bromometronidazole and technetium-penicillamine-flagyl complex) as potential agents for scintigraphic visualization of hepatic abscess

Abscess, Amebic
Tubis, M.; et al., 1976, Nuklearmedizin, v. 15 (1), 36-38
Entamoeba histolytica in humans, demonstration of hepatic abscess by scintigraphy utilizing a radiopharmaceutical (bromometronidazole)

Abscess, Amebic
Zuidema, P. J., 1975, Nederl. Tijdschr. Geneesk., v. 119 (35), 1339-1345
Entamoeba histolytica, human hepatic amoebic abscesses, treatment regimens using metronidazole, emetine and diloxanide furoate

Absorption. [See also Osmosis; Permeation]

Absorption
Areekul, S.; Pinyawatana, W.; and Kitkornphan, S., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (3), 386-390
hookworm, human, red cell and serum folate levels and folic acid absorption, impairment of folate absorption and iron deficiency anemia were probably primary and secondary causes of low serum folate content in these patients

Absorption
Arme, C., 1976, Parasitology, v. 73 (2), xxiii [Abstract]
nutrition in cestodes

Absorption
Bennett, J. L.; and Bueding, E., 1973, Molec. Pharm., v. 9 (3), 311-319
Schistosoma mansoni, 5-hydroxytryptamine (putative excitatory neurotransmitter), synthesis could not be demonstrated, uptake mechanism

Absorption
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Entamoeba histolytica axenically grown, mechanisms of purine and pyrimidine transport

Absorption
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Taenia taeniaeformis, mice, parenteral treatment with mebendazole, progressive micromorphological changes in cysticerci confined to absorptive compartment of larvae (tegument and tegumental cells), primary interference with microtubular system

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Taenia taeniaeformis, larvae, calcium uptake into soft tissues and calcareous capsules, measured in vivo and in vitro with radioactive labelling, accumulated by diffusion, not by active transport

Absorption
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Eimeria acervulina, chicks, decreased intestinal absorption of ^{14}C L-lysine and water accompanied by an increase in tissue water content and in secretion rate of mineral ions (Na^+ and K^+)

Absorption
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Schistosoma, Fasciola, relative nutritional roles of gut and tegument

Absorption
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Hymenolepis microstoma, cysticercoid, young adult, egg producing adult, qualitative distribution of neutral lipids and phospholipids, possible role in gonad maturation, transformation of ovum to oncosphere and permeation of ions

Absorption
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role of Giardia lamblia, Strongyloides stercoralis and possibly other intestinal parasites in producing malabsorption in Africans

Absorption
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Absorption
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Absorption
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Trypanosoma brucei, pentamidine transport system, structural specificity

Absorption
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Absorption
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Trypanosoma cruzi strains Y and MR, epimastigotes and trypomastigotes, comparative kinetics of arginine and lysine transport

Absorption
Goldstein, P. D.; and Patton, C. L., 1976, J. Protozool., v. 23 (2), 16A [Abstract]
Trypanosoma brucei, pentamidine transport in relation to antigenic variation and drug resistance

Absorption
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Absorption
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Trypanosoma gambiense, amino acid transport

Absorption
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Hymenolepis nana, bunamidine causes decrease in glucose uptake and increase in glucose efflux and stimulation of surface phosphatase activity, suggests that disruption of integument is mode of action by which worm death is caused, ultrastructural studies confirm these biochemical indications of integumental damage

Absorption
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Hymenolepis diminuta, in vitro rate of absorption of glucose/unit dry weight of worm falls with increasing worm age, with increasing worm weight, and with increasing infection density

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Ascaridia galli-infected chicks, absorption and digestion of protein and absorption of phosphate from intestine

Absorption
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Absorption
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Schistosoma mansoni, absorption of amino acids, "results indicate that classic active transport can occur in a trematode"

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nutrition of marine Digenea in primary molluscan host

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Absorption
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Hymenolepis diminuta, sodium-sensitive nucleoside transport

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Leishmania tropica promastigotes, properties of active transport system responsible for uptake and accumulation of L-methionine

Absorption
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Absorption
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Hymenolepis microstoma, mechanism of glucose transport and accumulation, sodium requirement

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Hymenolepis diminuta, chloride-sensitive glucose transport

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Eimeria acervulina-infected chickens, intestinal malabsorption of amino acids, in vitro studies, results generally support view of depressed absorption but demonstration was not as technically straightforward as earlier reports suggested

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ascarids, chicks, increased ATP-ase and sodium and chloride ions in body fluid of worms from hosts vaccinated before infection, possible relationships to cuticle permeability and transport system

Absorption
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Absorption
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Eimeria, site selectivity of various species for infection in particular regions of chick gastrointestinal tract used as tool to study loci of selenium absorption, potentiation of selenium deficiency by intestinal parasitism

Absorption
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Hymenolepis diminuta, method for in vitro determination of marker distribution volumes of mucosal extracellular space (MES) and tissue extracellular space (TES), TES also used to estimate intracellular concentration of sodium, applications and limitations in studies on kinetics of solute uptake

Absorption
Podesta, R. B., 1977, Exper. Parasitol., v. 43 (1), 12-24
Hymenolepis diminuta, effect of unstirred water layers on apparent influx kinetics of glucose, galactose, and alanine uptake by worms incubated in vitro

Absorption
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Absorption
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Hymenolepis diminuta, determination of unidirectional uptake rates for various nonelectrolytes across surface 'epithelial' membrane, methods examined for sources of error originating both from natural variability and from the various techniques used

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Hymenolepis diminuta, Hymenolepis microstoma, effect of ouabain on unidirectional uptake of glucose, galactose, and alanine in vitro

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lack of clinical manifestations in Hymenolepis diminuta-caused maldigestion and malabsorption in rats, determination of compensatory mechanisms including enhanced glucose- and bicarbonate-stimulated transport in infected small intestine, low mucosal permeability, and functional compensation by colon

Absorption
Podesta, R. B.; and Mettrick, D. F., 1976, Internat. J. Parasitol., v. 6 (2), 163-172
Hymenolepis diminuta, interrelationships between *in situ* fluxes of water, electrolytes, and glucose, hypothesis concerning function of hypertonic fluid absorption in acid-base regulation and energy metabolism

Absorption
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Hymenolepis diminuta-infected vs. uninfected rats, permeability of mucosa of different regions of small intestine to water, electrolytes, and glucose, results best explained by decrease in passive permeability of parasitized intestinal mucosa

Absorption
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Hymenolepis diminuta, infected or uninfected rats, glucose absorption in jejunum and proximal and distal ileum

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Absorption
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Cooperia punctata, L_4 and adult stages grown in vitro, utilization of propionic acid, use of propionate by worms would result in depriving ruminant host of some of its necessary glucogenic precursors and could account for specific pathogenic mechanism attendant to heavy infections

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Absorption
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Trypanosoma equiperdum, amino acid transport

Absorption
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comparison of effects of Eimeria tenella and E. acervulina infection on methionine absorption by avian intestine: importance of gut region infected; specific kinetic parameters affected; effect of intestinal pH; morphological changes in intestinal mucosa which might account for transport changes

Absorption
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Absorption
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Absorption
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Leishmania tropica promastigotes, glucose transport system

Absorption
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Leishmania tropica promastigotes, specificity of glucose transport system

Absorption
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Nematospiroides dubius, rats, transient malabsorption of amino acids by small intestine during infection

Absorption
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Nippostrongylus brasiliensis-infected rats, intestinal absorption of hexoses, possible relation to immune reaction

Absorption
Segal, H. E.; et al., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (4), 499-503
Plasmodium falciparum, humans, assessment of gastrointestinal function and quinine absorption, findings suggest minimal distortion of absorptive function of little clinical importance

Absorption
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Plasmodium lophurae-infected erythrocytes, enhanced glucose transport

Absorption
Simon, M. W.; and Mukkada, A. J., 1977, Exper. Parasitol., v. 42 (1), 97-105
Leishmania tropica promastigotes, methionine uptake system shows broad specificity and is subject to regulation at the level of carrier activity

Absorption
Simon, M. W.; Rusnak, J. M.; and Mukkada, A. J., 1976, Exper. Parasitol., v. 39 (1), 51-58
Leishmania tropica promastigotes in vitro, sensitivity to toxic effects of bilirubin (loss of viability, decreased sugar and amino acid uptake, increased efflux of intracellular sugars, hexokinase activity, lowered respiration), results suggest irreversible damage to cell membrane, possible culture loss if bilirubin concentration of hemoglobin solution used is too high

Absorption
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Grebneckiella pixellae, scanning electron microscopy of various life cycle stages reveals: epimerite as attachment organ to host gut epithelium, epicytic folds of body wall at various regions of trophozoite, changes in body folds during gamont formation and sexual dimorphism, syzygy, gamete formation, spore structure, possible role of epicytic folds in gregarine movement and absorption of nutrients

Absorption
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Hymenolepis diminuta and Moniliformis dubius, tegumental hexose transport, compared to glucose transport of other tapeworms and mucosal brush border of the vertebrate intestine, correlation between mechanisms of membrane transport and biochemical environment of absorptive surfaces

Absorption
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Moniliformis dubius, females, kinetics and specificity of hexose absorption

Absorption
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Hymenolepis diminuta, H. microstoma, effect of purified bile salts on absorption of glucose and oleic acid

Absorption
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review of possible importance of malabsorption in pathophysiology of gastrointestinal parasitism, concluded rather that anorexia exacerbated by loss of serum proteins is most important pathophysiological response of host to gastrointestinal infection

Absorption
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Spirometra mansonoides spargana, uptake of vitamin B_{12}, functional groups of B_{12} analogs affecting uptake; Hymenolepis diminuta, no uptake of vitamin B_{12}, none detected in the worm

Absorption
Turk, D. E., 1977, Poultry Science, v. 56 (5), 1763 [Abstract]
Eimeria spp., chicks, iron absorption, decreased by some species, increased during recovery period

Absorption
Uglem, G. L., 1976, Biochim. et Biophys. Acta, v. 443 (1), 126-136
Hymenolepis diminuta, evidence for sodium ion exchange carrier linked with glucose transport across brush border, proposed model for glucose transport system

Absorption
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Hymenolepis diminuta, properties of phlorizin inhibition of glucose transport

Absorption
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Schistosoma mansoni, adults, mechanisms of sugar transport and metabolism, differences in males, females, and pairs

Absorption
Vega Franco, L.; et al., 1975, Prensa Med. Mexicana, v. 40 (7-8), 197-201
intestinal parasites, comparison of D-xylose intestinal absorption in infected children showed that only those with Giardia lamblia had statistically different absorption from non-infected children

Absorption
Vega-Franco, L.; et al., 1976, Bol. Med. Hosp. Inf., v. 33 (2), 293-299
Giardia lamblia, d-xylose absorption and growth patterns in infected children before and after tinidazole, comparison with normal controls: Mexico

Absorption
Vignola, G.; Mori, P. G.; and Cottafava, F., 1969, Minerva Pediat., v. 21 (33), 1526-1530
mixed giardiasis and Trichocephalus infections in young child resulting in severe malabsorption syndrome, pathology of intestinal mucosa

Absorption
Voorheis, H. P., 1977, Biochem. J., v. 164 (1), 15-25
Trypanosoma brucei, changes in kinetic behaviour of threonine transport elicited by variation in hydrogen ion concentration

Absorption
Watts, S. D. M., 1977, Parasitology, v. 75 (2), xviii [Abstract]
Schistosoma mansoni, effect of 1,7,bis(p-aminophenoxy)heptane (153C51) on glucose transport, schistosomicidal activity apparently not due to this effect

Absorption
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Giardia lamblia, humans, quantification of lymphocytic infiltrate in jejunal epithelium, increased numbers of intraepithelial lymphocytes in patients with giardiasis and abnormal intestinal absorption compared with both control patients and patients with giardiasis and normal absorption

Absorption
Yonders, P. C.; and Dixon, C. F., 1976, J. Alabama Acad. Sc., v. 47 (3), 115 [Abstract]
Obeliscoides cuniculi, domestic rabbit, ^{59}Fe absorption in small intestine, higher in blood of infected hosts

Absorption
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intestinal coccidiosis (E. acervulina), caecal coccidiosis (E. tenella), comparison of nutritional effect in fowl, E. tenella causing insignificant losses, E. acervulina causing severe disease, interference with absorption

Acarology
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guide to grammar of acarine nomenclature

Acarology, Manuals and textbooks
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ticks of veterinary importance

Accidental parasites. See Parasites, Accidental.

Adaptation. [See also Ecology; Evolution; Genetics; Host-parasite relationships]

Adaptation
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parasitic nematodes, comments on evolution and adaptation, abstract of thesis

Adaptation
Andersen, K., 1976, Fauna, Oslo, v. 29 (1), 1-20
helminth adaptation to life in vertebrate intestine, cysts, attachment organs, structure of tegument, immune response, site selection, evolution, extensive review

Adaptation
Ayala, S. C., 1973, Am. Midland Naturalist, v. 89 (2), 266-280
community dynamics of sandfly-borne protozoan infections: central California

Adaptation
Bianco, A. E.; and Muller, R. L., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 383 [Demonstration]
Haemaphysalis leachii leachii as vector of Ackertia globulosa for rodent hosts, tick attachment and adaptations in both tick and nematode life cycles which enable tick to serve as vector

Adaptation
Breev, K. A.; and Baratov, Sh. B., 1970, Parazitologiia, Leningrad, v. 4 (3), 241-249
Hypoderma lineatum sinense, incidence and intensity of infection, development in relation to temperature, climatic adaptation, differentiation from typical H. lineatum, yaks: eastern Pamir

Adaptation
Brener, Z.; et al., 1976, J. Protozool., v. 23 (1), 147-150
Trypanosoma cruzi in cell culture, strain-dependent thermosensitivity influencing amastigote-to-trypomastigote differentiation, may result from mutational adaptation

Adaptation
Buengener, W., 1974, Tropenmed. u. Parasitol., v. 25 (3), 309-312
Plasmodium berghei, P. vinckei, P. chabaudi, mice, rats, allopurinol stimulated multiplication of plasmodia and infections caused death more rapidly or in more animals, this effect could result from hypoxanthine concentration being limiting factor for parasite multiplication, in these parasite-host combinations host-purine-dependent parasites would have a selective advantage over non-dependent ones

Adaptation
Dobson, C.; and Owen, M. E., 1977, Internat. J. Parasitol., v. 7 (6), 463-466
Nematospiroides dubius, influence of serial passage on infectivity and immunogenicity in mice

Adaptation
Duke, B. O. L., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 97-107
Loa loa, behavioral aspects of human and simian strains which have contributed to divergent adaptive evolution with 2 separate host-vector complexes that seldom result in parasite interchange

Adaptation
Esch, G. W.; Gibbons, J. W.; and Bourque, J. E., 1975, Am. Midland Naturalist, v. 93 (2), 339-353
analysis of relationship between stress and parasitism

Adaptation
Evans, A. A. F.; and Perry, R. N., 1976, Organ. Nematodes (Croll), 383-424
survival strategies in nematodes, review: quiescence with special reference to cryptobiosis; diapause (in unhatched larvae; in larvae outside the egg; in adult stages; induction and termination; morphological and behavioral correlates)

Adaptation
Font, W. F.; and Corkum, K. C., 1976, Am. Midland Naturalist, v. 96 (2), 473-478
Alloglossidium renale in Palaemonetes kadiakensis (antennary gland), annual cycle, seasonal incidence, close adaptation to host life cycle (A. renale annual mortality precedes death of its shrimp definitive host): St. James and Head of Island ponds, Louisiana

Adaptation
Furman, D. P.; and Smith, A. W., 1973, J. Med. Entom., v. 10 (4), 415-416
Orthohalarachne diminuata, O. attenuata, in vitro development, adaptations of life cycle for endoparasitism in mammals, presence of protonymph and deutonymph stages confirmed

Adaptation
Gillig, C. J. III, 1977, J. Protozool., v. 24 (3), 406-411
Leishmania donovani, adaptation to in vitro cultivation at 37 C

Adaptation
Gillig, C. J.; and Honigberg, B. M., 1973, J. Protozool., v. 20 (4), 504
Leishmania donovani, promastigotes, adaptation to cultivation at 37 C., genetic selection rather than dauermodification appears to be responsible for thermal adaptation

Adaptation
Golvan, Y.-J.; et al., [1976], Ann. Parasitol., v. 50 (5), 1975, 617-628
Schistosoma mansoni in different strains of Biomphalaria glabrata, parasite and host fecundity

Adaptation
Haston, W., 1975, J. Protozool., v. 22 (3), 52A [Abstract]
Trypanosoma brucei, substrate utilization by transforming midgut forms, decreased glucose oxidation, increased proline oxidation, suggests that trypanosomes have adapted their metabolism to utilize the most available substrate in their mammalian vs. insect hosts

Adaptation
Hommel, M.; and Miltgen, F., 1973, J. Protozool., v. 20 (4), 527
Trypanosoma blanchardi, T. rabinowitschae, adaptation to mice by passage through cultures and then sarcomatous mice, strong cross immunity between T. musculi and mouse-adapted strains; adaptation of T. lewisi to mice using same method was not possible; this new culture system was used to cultivate T. brucei

Adaptation
Irvin, A. D.; et al., 1976, J. Comp. Path., v. 86 (1), 51-57
Theileria parva-infected bovine lymphoid cells grown in mice, immunization of cattle with cells passaged in mice

Adaptation
Lushbaugh, W. B.; McGhee, R. B.; and Singh, S. D., 1976, J. Protozool., v. 23 (1), 127-134
Plasmodium gallinaceum, erythrocytic stages in embryonic and neonate chicks, abnormal morphology and development associated with adaptation to immature host

Adaptation
McGhee, R. B.; Singh, S. D.; and Lushbaugh, W. B., 1977, Exper. Parasitol., v. 43 (1), 220-230
Plasmodium gallinaceum, changing virulence patterns during adaptation from neonate chick to chicken embryos

Adaptation
Mrciak, M.; and Rosicky, B., 1975, Biologia, Bratislava, s. B, Zool., v. 30 (8), 589-597
parasites of small mammals and birds in high altitude areas, geographical distribution in relation to altitude, geological history, and host distribution, adaptations to alpine conditions including life history adaptations, review: High Tatra Mountains, Slovakia

Adaptation
Musoke, A. J.; and Cox, H. W., 1977, J. Parasitol., v. 63 (3), 464-470
Plasmodium chabaudi, adaptation to rat host, immune responses in rats and in mice to rat strain, resistance to challenge with homologous and heterologous strains and to Babesia rodhaini, elaboration of soluble serum antigen in mice infected with rat strain

Adaptation
Nadchatram, M.; and Audy, J. R., 1965, Med. J. Malaya, v. 20 (1), 80-81
life cycle adaptations of Vatacarus ipoides recovered from air-sacs of tidal reef snakes (Laticauda colubrina): Singapore

Adaptation
Perkatova, V. N., 1975, Dokl. Vsesoiuz. Akad. Sel'skokhoz. Nauk (10), 39-40
Gastrothylax crumenifer, morphology and physiology of tegument, intestine and saccus alimentarius, localization of nonspecific esterase; adaptations to existence among dense papillae of rumen and glandular structure thereof

Adaptation
Wagner, K. P.; and Krassner, S. M., 1976, Exper. Parasitol., v. 39 (2), 222-233
Leishmania tarentolae promastigotes, replica-plating techniques, isolation of stable mutant strains resistant to chloramphenicol, isolation of cell lines stress-adapted to streptomycin and to high culture temperatures, factors influencing resistance, mode of action of chloramphenicol (inhibition of protein synthesis and proline oxidation)

Adaptation
Watertor, J. L.; and Van Landingham, S. B., 1976, J. Parasitol., v. 62 (1), 152-153
host-induced histochemical variations in Telorchis bonnerensis reared in Ambystoma tigrinum vs. Chelydra serpentina, histochemical resemblance to T. corti when both reared in C. serpentina

Adaptation
Weiss, M. L., 1976, Exper. Parasitol., v. 40 (1), 103-111
Plasmodium berghei, mouse strain noninfective but highly immunogenic for Meriones unguiculatus was adapted to M. unguiculatus through serial passage of infected blood, antigenic changes during adaptation, loss of infectivity for mice, different antigens apparently responsible for immunogenicity vs. infectivity, vaccination led to production of some protective antibody but also to blocking and enhancing antibody

Adhesion. See Attachment.

Adoptive immunity. See Immunity, Passive.

Adrenals. See Glands, Host; Hormones.

Afghanistan
Fischer, L., 1968, Med. Laenderk. (2), 1-130
geomedical report on Afghanistan, its inhabitants and its diseases

Africa
Doucet, J.; and Castanier, C., 1970, Medecine Afrique Noire, v. 17 (11), 843-847
epidemiologic survey of human helminths and hemoparasites
(Schistosoma mansoni; Ascaris lumbricoides; Schistosoma haematobium; Plasmodium falciparum; P. malariae; Dipetalonema perstans; Necator americanus; Strongyloides stercoralis): all from Atiekwa

Africa
Graber, M., 1975, Rev. Elevage et Med. Vet. Pays Trop., n. s., v. 28 (3), 311-314
survey of trematodes of zebus, central Africa, 1954-1969
(voies biliaires): Fasciola gigantica; Dicrocoelium hospes
(rumen): Paramphistomum microbothrium; Cotylophoron cotylophorum; Calicophoron calicophorum; C. raja; C. ijimai; Stephanopharynx compactus; Gigantocotyle symmeri; Bothriophoron bothriophoron; Carmyerius spatiosus; C. gregarius; C. papillatus; C. parvipapillatus

Africa
Ormerod, W. E., 1976, Science, v. 191 (4229), 815-821
possible ecological effects of trypanosomiasis control, increased cattle production leading to overgrazing and possibly to climatic change and drought: Africa

Africa
Rodhain, F.; and Rodhain-Rebourg, F., 1973, Medecine et Malad. Infect., v. 3 (11), 429-436
geographic distribution of Loa loa in African population south of the Sahara in equatorial rain-forest

Africa
Rodhain, F.; and Rodhain-Rebourg, F., 1974, Medecine et Malad. Infect., v. 4 (3), 133-138
Wuchereria bancrofti, review of geographic distribution surveys of human lymphatic filariasis in the African continent south of the Sahara

Africa
Toure, S. M.; et al., 1971, Medecine Afrique Noire, v. 18 (10), 735-746
extensive review of zoonotic infections of domestic animals of Africa and insect-borne human infections, relationship to public health aspects of black Africans

Agar diffusion; Agar gel diffusion. See Immunity, Precipitation.

Age of host. [See also Longevity; Survival]

Age of host
Abd El-Fattah, M. M., 1973, Med. J. Cairo Univ., v. 41 (4), 331-338
effect of protein level in diet and host age on antibody production, Schistosoma mansoni-infected mice

Age of host
Abdel-Salam, E.; and Abd El-Fattah, M., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 463-469
Schistosoma haematobium, statistics of epidemiologic survey of children from 6 months to 10 years of age for prevalence and morbidity of infections, comparison of 3 geographically different villages in the Giza governorate, Egypt

Age of host
Adam, K. M. G.; Beasley, S. J.; and Blewett, D. A., 1977, Research Vet. Sc., v. 23 (2), 133-138
babesial antibody detected in sera of wild red deer by indirect fluorescent antibody technique, incidence, age and sex of host: Scotland

Age of host
Adams, D. B.; and Rothwell, T. L. W., 1977, Exper. Parasitol., v. 42 (1), 121-128
Trichostrongylus colubriformis, guinea pigs, passive transfer of immunity using mesenteric lymph node cells, influence of various factors (immunization schedule for cell donors; size of cell dose transferred; size of challenge dose; age of both cell donors and recipients), rate of worm rejection from recipients

Age of host
Alcaino, H.; and Tagle, I., 1970, Bol. Chileno Parasitol., v. 25 (1-2), 5-8
fecal survey of dogs in suburban area of Santiago, Chile for presence of intestinal parasites

Age of host
Alexander, M.; and Putzmann, L., 1974, Munchen. Med. Wchnschr., v. 116 (34), 1481-1484
human toxoplasmosis, epidemiologic survey for prevalence of infection comparing results of complement fixation and Sabin-Feldman dye test: West Berlin

Age of host
Al-Khateeb, G. H.; and Hansen, M. F., 1974, Avian Dis., v. 18 (4), 507-514
Histomonas meleagridis, turkeys and chickens (both exper.), plasma enzyme levels used to evaluate susceptibility according to breed and age of host, duration of infection in chickens, effect of route of inoculation, and effect on virulence of the age of in vitro subcultures

Age of host
Al-Salihi, F. L.; Curran, J. P.; and Wang, J. S., 1974, Pediatrics, Am. Acad. Pediat., v. 53 (2), 196-200
survey of nonselected newborn population for presence of Trichomonas vaginalis, clinical review and reports of 3 cases with associated Monilia infections

Age of host
Alvarez Chacon, R.; Rodriguez Rodriguez, M.; and Cob Sosa, C. E., 1974, Bol. Med. Hosp. Inf., v. 31 (6), 1125-1147
massive Trichuris trichiura infections, children, statistical survey, comparative clinical trial with oral and rectal thiabendazole and rectal hexylresorcinol

Age of host
Amin, O. M., 1974, Proc. Helminth. Soc. Washington, v. 41 (1), 81-88
helminths of Catostomus commersoni, distribution, structural observations, effects of host size (age) on worm burden and site of infection: southeastern Wisconsin

Age of host
Anderson, G., 1977, Marine Biol., v. 42 (3), 239-251
Probopyrus pandalicola, energy flow in parasitized and unparasitized laboratory Palaemonetes pugio population, secondary reproduction, metabolism, ingestion and egestion; temperature, season, host age, sex, and reproductive condition, effect on energetics of host-parasite systems

Age of host
Anderson, J.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (3), 209-222
Onchocerca volvulus, survey of total populations aged 5 years and older in 16 villages of rain-forest and savanna zones, standard techniques used to assess intensity of infection, clinical manifestations, differences thought to be influenced by hormonal factors, strain pathogenicity, transmission patterns: United Cameroon Republic

Age of host
Anderson, J.; Fuglsang, H.; and Marshall, T. F. de C., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 362-373
Onchocerca volvulus, comparative follow-up epidemiologic study of infected villagers from savannah and rain-forest areas, relationships between development of eye lesions and high concentrations of microfilariae in skin, particularly around shoulders, as well as eye, implications for prevention of blindness: Cameroon

Age of host
Anderson, R. I.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (1), 66-70
prevalence survey for microfilaruria and other manifestations of human Onchocerca volvulus infection in rural area, correlation with microfilariae in skin snips, age and sex of hosts: Cameroon

Age of host
Arfaa, F.; and Ghadirian, E., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 866-871
Ascaris lumbricoides, statistics of epidemiologic survey and mass therapy using pyrantel pamoate in 6 rural villages in central Iran

Age of host
Armstrong, E., 1976, Ztschr. Parasitenk., v. 48 (3-4), 275-280
Nosema kingi, longevity of Drosophila willistoni host, varied diets and age of host at time of infection; host susceptibility at various ages

Age of host
Arystanov, E., 1970, Parazitologiia, Leningrad, v. 4 (3), 210-218
infection of molluscs with trematodes in relation to population density, habitat, season, age: Amu Darya delta

Age of host
Ayala, S. C.; and Spain, J. L., 1976, J. Parasitol., v. 62 (2), 177-189
Plasmodium colombiense sp. n. in Anolis auratus, host blood pictures, parasitemia, parasite structure and structural variance, infection states, host population structure, epidemiology: western Colombia (Cauca River valley basin)

Age of host
Babu, K. S. J.; Seshadri, S. J.; and Mohiyuddeen, S., 1976, Indian Vet. J., v. 53 (1), 47-54
coccidiosis, poultry, field cases, diagnosis, pathology, relationship of infection to age and sex of host

Age of host
Baeva, O. M., 1968, Gel'mint. Zhivot. Tikhogo Okeana (Skriabin), 76-79
degree of helminth infection in different age groups of Cololabis saira: region of Kuril'sk and Japan

Age of host
Baeva, O. M., 1968, Gel'mint. Zhivot. Tikhogo Okeana (Skriabin), 80-88
helminth distribution among age groups of Pleurogrammus azonus: Peter the Great Bay, Sea of Japan

Age of host
Bakke, T. A., 1972, Norwegian J. Zool., v. 20 (3), 165-188
Digenea of Larus canus, incidence and intensity, age of host, seasonal variation, distribution in alimentary canal, relationship to host habitat, food, and breeding behavior: Norway

Age of host
Bakke, T. A., 1972, Norwegian J. Zool., v. 20 (3), 189-204
Digenea of Larus canus, incidence and intensity, seasonality, relationship to host age, sex, weight, and food habits, diagrammatic model of infection pattern: Norway

Age of host
Bakke, T. A., 1972, Norwegian J. Zool., v. 20 (4), 273-277
Reighardia sternae in Larus canus (trachea and air sacs), age and sex of host, seasonal variance: Agdenes, Norway

Age of host
Bakke, T. A.; and Barus, V., 1976, Norwegian J. Zool., v. 24 (1), 7-31
nematodes of Larus canus, age and sex of host, seasonal variations, distribution in alimentary canal: Agdenes, Norway

Age of host
Balasingam, E.; Lim, B. L.; and Ramachandran, C. P., 1969, Med. J. Malaya, v. 23 (4), 300-304
parasitologic study of intestinal helminths prevalent in resident population of islands off West Malaysia

Age of host
Balint, O.; and Wenninger, R. L., 1976, Med. J. Zambia, v. 9 (6), Dec. 1975-Jan. 1976, 158-163
clinical aspects, diagnosis and medical management of trypanosomiasis in children with review of 23 cases: Zambia

Age of host
Barbosa, F. S., 1975, Ann. Trop. Med. and Parasitol., v. 69 (2), 207-216
Schistosoma mansoni, human, prevalence and morbidity, significantly higher in rural vs. urban areas, no significant difference found in relation to sex, typical age-specific prevalence curve: northeastern Brazil

Age of host
Barry, C.; Ahmed, A.; and Khan, A. Q., 1971, Am. J. Trop. Med. and Hyg., v. 20 (4), 592-597
statistics of prevalence and distribution survey of human Wuchereria bancrofti filariasis in East Pakistan, possible sociologic aspects affecting disease transmission

Age of host
Barsanti, J. A.; Kristensen, F.; and Drumheller, F. B., 1977, Am. J. Vet. Research, v. 38 (7), 1055-1058
Dirofilaria immitis, dogs, analysis of serum proteins using agarose electrophoresis, relationship of differences in concentration of protein fractions to differences in age, sex, and infected vs. non-infected dogs

Age of host
Barthelmes, H.; Soennichsen, N.; and Barthelmes, R., 1974, Paediat. u. Grenzgeb., v. 13 (2-3), 133-146
scabies in children and adolescents, etiology, diagnosis, clinical aspects

Age of host
Bartoli, P., 1973, Bull. Mus. Nat. Hist. Nat., Paris, 3.s. (117), Zool. (91), 319-334
Gymnophallus fossarum in Cardium glaucum, penetration of cercariae and migration, microbiotopes occupied by metacercariae, variation in numbers of metacercariae in the 2 microbiotopes in relation to host size, relation between microbiotope occupied by metacercariae and certain anomalies of host test

Age of host
Bartoli, P., 1973, Bull. Mus. Nat. Hist. Nat., Paris, 3.s. (117), Zool. (91), 335-349
Gymnophallus fossarum in Tapes decussatus (nat. and exper.)(espace extrapalleal peripherique, espace extrapalleal sous-articulaire), relative importance of 2 microbiotopes, host reactions (encapsulation, tissue degradation), changes in metacercariae, heterogeneity of distribution within microbiotope extrapalleal peripherique, variation in numbers of metacercariae in the 2 microbiotopes in relation to host size, comparison with Cardium glaucum: lagune de Beauduc

Age of host
Basson, P. A.; et al., 1970, Onderstepoort J. Vet. Research, v. 37 (1), 11-28
parasitic and other diseases of Syncerus caffer, some pathological findings, age of host: Kruger National Park

Age of host
Baufine-Ducrocq, H.; et al., 1971, Medecine et Malad. Infect., v. 1 (10), 395-402
Trichomonas vaginalis, survey, frequency of vaginal infection in prostitutes: Paris

Age of host
Behnke, J. M., 1976, J. Helminth., v. 50 (3), 197-202
Aspiculuris tetraptera in wild Mus musculus of different ages, prevalence and level of infection decreased in older animals, either innate or acquired resistance could account for observations

Age of host
Bell, D. R.; and Howells, R. E., 1973, Ann. Trop. Med. and Parasitol., v. 67 (1), 1-14
malaria, blood film and spleen examination results in relation to age, chloroquine and cycloguanil sensitivity of Plasmodium falciparum; Schistosoma haematobium, prevalence and intensity in relation to age and sex: Malumfashi District, North Central State of Nigeria

Age of host
Benitez-Usher, C.; et al., 1977, Vet. Parasitol., v. 3 (4), 327-342
Haemonchus contortus, Scottish Blackface lambs, immunization with gamma-irradiated larvae, roles of host age, size of immunizing dose, previous exposure to infection, and anthelmintic (thiabendazole) therapy

Age of host
Benitez-Usher, C.; Armour, J.; and Urquhart, G. M., 1976, Vet. Parasitol., v. 2 (2), 209-222
Dictyocaulus viviparus, young calves, efficacy of immunization with Dictol below commercial recommendation of 8 weeks of age, concluded that it may be practical to vaccinate milk-fed and suckling calves from 3-4 weeks of age

Age of host
Bennett, G. F.; et al., 1974, J. Wildlife Dis., v. 10 (4), 442-451
survey, prevalence of hematozoa in anatids, infection rate increases with host age, seasonal distribution

Age of host
Berengo, A.; Pampiglione, S.; and de Lalla, F., 1974, Riv. Parassitol., Roma, v. 35 (2), 81-86
toxoplasmosis, Babinga pygmies, dye test survey, prevalence slightly higher in men and markedly higher in older age groups, ingestion of under-done meat most probable source of infection: southern Central African Republic and eastern Cameroon

Age of host
Bettini, S.; Pampiglione, S.; and Maroli, M., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (1), 73-79
leishmaniasis, human, preliminary epidemiological survey, validity of leishmanin skin test confirmed, positivity rate according to age and sex: Tuscany region of Italy

Age of host
Beverley, J. K. A.; et al., 1976, J. Hyg., Cambridge, v. 76 (2), 215-228
Toxoplasma gondii, human toxoplasmic lymphadenopathy, age-sex relationships, British patients compared with other European cases

Age of host
Bezubik, B., 1969, Acta Parasitol. Polon., v. 17 (1-19), 1-9
Strongyloides papillosus, rabbits, human gamma globulin beneficial as expressed by host weight, parasite egg production, and blood values; infection more severe in younger hosts

Age of host
Bisseru, B.; and Aziz bin Ahmad, A., 1970, Med. J. Malaya, v. 25 (1), 29-33
survey of intestinal parasites infecting Malay, Chinese and Indian schoolchildren and coordination with their various ethnic and social practices: Malaya

Age of host
Black, R. E.; et al., 1977, Pediatrics, Am. Acad. Pediat., v. 60 (4), 486-491
Giardia lamblia, severe diarrhea affecting 54% of children in day care center, suggestion of fecal-oral transmission from child to child and from infected children to their families, also possibility of infected fomites, epidemiologic survey: Georgia

Age of host
Boertje, S. B., 1976, Proc. Louisiana Acad. Sc., v. 39, 23-27
Poecilancistrum caryophyllum, incidence in Cynoscion nebulosus (muscle), related to age of host, not sex; not infective to cats: Louisiana coastal waters

Age of host
Bognar, I.; and Bodanszky, H., 1975, Orvosi Hetilap, v. 116 (7), 367-369
scabies in infants, clinical symptoms and epidemiology as differentiated from infections in adults: Hungary

Age of host
Bois, E.; et al., 1976, Medecine et Malad. Infect., v. 6 (1), 4-11
Entamoeba histolytica, malaria, epidemiologic survey of Amerindian tribes in French Guiana, widespread infections increasing with age

Age of host
Bommartini, F.; and Soprana, M., 1971, Minerva Gastroenterol., v. 17 (1), 45-51
Giardia lamblia, 85-year old man living in home for aged, presenting symptoms of biliary colic, clinical management, chloroquine: Verona, Italy

Age of host
Borda, C. E., 1973, Bol. Chileno Parasitol., v. 28 (1-2), 19-23
Necator americanus, epidemiologic survey of island families, favorable conditions of soil in area favor continued development: San Mateo Island; Argentina

Age of host
Borroni, I.; and Grimaldi, E., 1974, Riv. Parassitol., v. 35 (4), 261-276
Diphyllobothrium latum, ecology of plerocercoid infection in fish, incidence and intensity, interplay of various factors (host species, host size (age), mechanism of infection (eating copepods vs. eating other fish), parasite size, muscular vs. visceral localization, site on lake in relation to human concentration): Lago Maggiore

Age of host
Botero, D., 1976, Clin. Pharm. and Therap., v. 19 (5), pt. 2, 630-637
review of common human intestinal parasites, methodology and requirements for clinical trials of new antiparasitic drugs

Age of host
Botros, B. A. M.; Moch, R. W.; and Barsoum, I. S., 1975, Am. J. Vet. Research, v. 36 (3), 293-296
Babesia gibsoni, splenectomized and nonsplenectomized dogs (exper.), inoculation with fresh and preserved blood, prepatent period, clinical signs, duration of parasitemia, gross pathologic changes, clinicopathologic changes, histopathologic features, relationship of age of dogs to pathogenicity of infection

Age of host
Bowry, T. S.; and Cameron, H. M., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 439-443
schistosomiasis, amoebiasis, causes of liver pathology in early childhood in Kenya

Age of host
Bozdech, V., 1973, Paediat. u. Grenzgeb., v. 12 (5), 327-335
epidemiologic survey of parasitic infections in children with comparisons of statistics from Kaduna, Nigeria and Accra, Ghana

Age of host
Bradley, A. K., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (3), 225-229
Onchocerca volvulus, relationship of prevalence of onchocerciasis and resulting blindness to abandonment of native villages, statistical survey of various geographic localities: Middle Hawal Valley, Nigeria

Age of host
Bradley, D. J.; and McCullough, F. S., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 491-500
Schistosoma haematobium, human, epidemiological model shows good agreement with actual community egg output patterns, provides additional evidence for occurrence of concomitant immunity

Age of host
Bradley, R. E., 1976, J. Am. Vet. Med. Ass., v. 169 (3), 311-316
Dirofilaria immitis, dogs (nat. and exper.), thiacetarsamide sodium to destroy adult worms, levamisole resinate 6 weeks later at dosage of 11 mg/kg (but not 5.5 mg/kg) was effective as a microfilaricide, 2 cases of levamisole toxicosis in presence of adult worms; incidental observation on greater susceptibility of older dogs to infection

Age of host
Bray, R. S.; and Harris, W. G., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 401-407
Entamoeba histolytica, extensive epidemiologic survey of selected native villages revealed a comparatively high incidence of human infection: The Gambia, West Africa

Age of host
Breed, G. M.; and Olson, R. E., 1977, J. Invert. Path., v. 30 (3), 387-405
Pleistophora crangoni n. sp. in Crangon spp., prevalence and intensity in relation to season and host size, parasitic castration of females, shift in host sex ratio toward females, unsuccessful laboratory transmission experiments, spread of infection through shrimp, infected shrimp succumbed to low oxygen stress before uninfected shrimp, histopathology

Age of host
Bremner, K. C.; Keith, R. K.; and Winks, R., 1976, Research Vet. Sc., v. 20 (3), 350-351
Oesophagostomum radiatum, castrated male calves, resistance to initial infection increases with age

Age of host
Brinkmann, U. K., 1977, Tropenmed. u. Parasitol., v. 28 (1), 71-76
Wuchereria bancrofti, epidemiologic survey comparing 5 areas demonstrated that bancroftian filariasis is major health problem in rural coastal Liberia

Age of host
Brown, R. C.; and Girardeau, M. H. F., 1977, Am. J. Trop. Med. and Hyg., v. 26 (2), 215-219
Strongyloides fuelleborni, Necator americanus, Ancylostoma duodenale, prevalence survey and study of possible transmammary passage, presence of Strongyloides sp. larvae in milk of one nursing mother suggests that S. fuelleborni may be transmitted via milk in humans: Bulape, Zaire

Age of host
Buck, A. A.; Anderson, R. I.; and MacRae, A. A., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (1), 21-31
serum immunoglobulin levels in five villages compared, comparative studies of IgG, IgA, IgM, and IgD levels between Onchocerca volvulus patients with and without microfilaruria, different age and sex patterns, effect of infection intensity, IgE and combined infection with Schistosoma mansoni: Chad

Age of host
Bull, F.; Oyarce, R.; and Stehr, I., 1967, Bol. Chileno Parasitol., v. 22 (1), 10-15
prevalence and epidemiologic survey of human intestinal parasites in slum areas of Concepcion Province, Chile

Age of host
Bwangamoi, O.; and Isyagi, A. O., 1973, Bull. Epizoot. Dis. Africa, v. 21 (1), 33-37
filariasis, dogs, incidence survey, morbidity rate per breed, age, and sex of host: Uganda

Age of host
Bwathondi, P. O. J., 1976, Parasitology, v. 73 (2), x-xi [Abstract]
Crepidostomum metoecus in Salmo trutta, incidence, annual seasonality, increase in infection in younger fish, spawning fish showed higher infection in females than males suggesting role of reproductive hormones in host resistance
Salmo trutta (pyloric caeca, intestine)
Cloeon simile
Siphlonurus lacustris
all from Loch of Strathbeg, N.E. Scotland

Age of host
Cabrera, B. D., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (4), 495-504
Schistosoma japonicum, evaluation of blood circumoval precipitin test (filter paper) for diagnostic field surveys, comparison with use of stool formalin-ether technique: Leyte, Philippines

Age of host
Cabrera, B. D.; Arambulo, P. V. III; and Portillo, G. P., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (4), 510-518
human ascariasis, statistical epidemiologic survey and development of working model for control and/or eradication of infection using a rural community in the Philippines

Age of host
Cabrera, E. J.; Alger, N. E.; and Silverman, P. H., 1973, J. Protozool., v. 20 (3), 449-452
Plasmodium berghei, rats, adoptive immunity transferred by 2 x 10^7 or 2 x 10^8 but not 2 x 10^6 immune spleen cells, spleen cells kept at 47 C for 45 min were no longer able to transfer protection; capacity to transfer adoptive immunity not found in spleen cells from unexposed adult rats capable of age immunity, but found in spleen cells from rats that had suffered very transient parasitemia

Age of host
Camerlynck, P.; Alaoui, A.; and Benmansour, N. 1974, Maroc Med. (585), v. 54, 641-649
Schistosoma haematobium, epidemiological survey, public health importance, intermediate hosts, increased transmission with improved irrigation systems: Province Beni-Mellal, Maroc

Age of host
Camus, D.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 482-490
Schistosoma mansoni, attempted correlation of immunoglobulin levels, antibodies, and delayed hypersensitivity reactions in infected patients living in defined endemic area: Bahia state, Brazil

Age of host
Capraro, V. J.; and Gallego, M. B., 1974, Pediat. Ann., v. 3 (12), 74-81
Trichomonas vaginalis as cause of acute vulvovaginitis in children and young girls, clinical aspects, metronidazole

Age of host
Carcassonne, M.; et al., 1973, Progr. Pediat. Surg., v. 5, 1-35
echinococcosis in children, extensive review of cyst localizations, clinical aspects, pathology and surgical management

Age of host
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Schistosoma mansoni, human, thermostable parasitic urinary antigen demonstrated, relation with clinical, biological, and immunological parameters (including fecal egg count, host age, precipitating antibodies, IgE levels, 24-hr intradermal test)

Age of host
Carmichael, I. H.; and Hobday, E., 1975, Onderstepoort J. Vet. Research, v. 42 (2), 55-62
Anaplasma marginale, incidence in Syncerus caffer (blood), level of parasitemia in different age groups: Ngamiland, Botswana

Age of host
Carrie, J., 1970, Medecine Afrique Noire, v. 17 (7), 531-540
Schistosoma haematobium, S. mansoni, epidemiologic survey: Ivory Coast

Age of host
Casto, S. D., 1975, J. Med. Entom., v. 12 (1), 23-27
Syringophiloidus minor, infestation rates in different age categories of Passer domesticus, infestation patterns of different feathers (primaries, primary coverts, secondaries, rectrices) in juvenal and nuptial plumage, selective advantage of infestation patterns and probable source of dispersants which colonize nuptial feathers during post-juvenal molt: Lubbock, Texas

Age of host
Cattan, P. E.; George-Nascimento, M.; and Rodriguez, J., 1976, Bol. Chileno Parasitol., v. 31 (1-2), 16-20
prevalence survey of helminths of Octodon degus, seasonal variations, age and sex of hosts: Chile

Age of host
Cawthorn, R. J.; and Anderson, R. C., 1976, Canad. J. Zool., v. 54 (4), 442-448
Physaloptera maxillaris larvae in Acheta pennsylvanicus, effects of temperature, age of host, and previous infection on parasite development; resulting infectivity to Mephitis mephitis

Age of host
Chang, G. N.; and Wang, W. Y., 1976, Taiwan J. Vet. Med. and Animal Husb. (28), 35-39
Fasciola hepatica, incidence in cattle (buffalo, yellow cattle, dairy cow), increase with age: southern Taiwan

Age of host
Cheever, A. W.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 702-716
Schistosoma mansoni, S. haematobium, statistics and statistical methods of quantitative parasitological autopsy survey; comparison of statistics of S. mansoni with those of previous survey in Brazil: Egypt

Age of host
Chomicz, L., 1969, Acta Parasitol. Polon., v. 17 (1-19), 47-54
Strongyloides papillosus, immature and mature rabbits, blood picture, age and sex resistance

Age of host
Christensson, D.; and Rehbinder, C., 1975, Nord. Vet.-Med., v. 27 (10), 496-498
gastrointestinal parasites of reindeer calves, none found in first month of life, increasing infection with age: Norrbotten

Age of host
Ciordia, H.; et al., 1977, Am. J. Vet. Research, v. 38 (9), 1335-1339
gastrointestinal parasitism of cattle on fescue pastures fertilized with broiler litter vs. NH_4NO_3, prevalence, yearly and seasonal variation; parasite burden lower in calves raised on broiler litter-fertilized pastures (where available forage was greater), no significant differences in adult cows nor in calf weight gains

Age of host
Clark, T. B.; and Brandl, D. G., 1976, J. Invert. Path., v. 28 (3), 341-349
Tetrahymenina infection of Aedes sierrensis larvae (nat. and exper.), melanized spots on cuticle were sites of invasion or attempted invasion, invasion sites were capped by hemispherical membranes or cysts vacated by invading ciliates, factors such as host activity, host age, and cuticle thickness limited successful infection: near Kings River, Fresno County, California

Age of host
Clifford, C. M.; Flux, J. E. C.; and Hoogstraal, H., 1976, J. Med. Entom., v. 13 (1), 40-47
Ixodidae on Lepus, seasonal and regional abundance, age and sex of host: Kenya; Uganda

Age of host
Cline, B. L.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 109-117
Schistosoma mansoni in humans, population-based morbidity study of small rural community, demonstration of clear association between infection and disease in such a population, prophylactic and mass therapy recommendations: Puerto Rico

Age of host
Cloutman, D. G.; and Becker, D. A., 1977, J. Parasitol., v. 63 (2), 372-376
Ergasilus centrarchidarum on Micropterus salmoides and M. punctulatus, some ecological aspects: host specificity; abundance related to host age and sex; seasonal abundance and egg production, optimum temperatures; no evidence of antagonism with other concomitant species of gill parasites: Lake Fort Smith, Crawford County, Arkansas

Age of host
Coadwell, W. J.; and Ward, P. F. V., 1977, Parasitology, v. 74 (2), 121-132
Haemonchus contortus, sheep (exper.), suggested that cyclic change in parasite growth pattern and arrested development is controlled by seasonal variation in concentration of substance(s) in host blood, sex of host and duration of infection had no effect on parasite length, age of host did relate to parasite length but relationship may have been an artifact

Age of host
Coggins, J. R.; and McDaniel, J. S., 1975, Proc. Oklahoma Acad. Sc., v. 55, 112-118
helminths of cotton rat, seasonal variation, host size, higher incidence in males, no significant difference in number or kind of parasite in pregnant females
Sigmodon hispidus komareki: Greenville, Pitt County, North Carolina

Age of host
Combescot-Lang, C., 1976, Ann. Parasitol., v. 51 (1), 27-36
11 cercariae found in Littorina saxatilis (hepatopancreas), host age and sex, mixed infections, parasitic castration: region de Roscoff (Finistere)

Age of host
Cook, J. A.; Jordan, P.; and Armitage, P., 1976, Am. J. Trop. Med. and Hyg., v. 25 (4), 602-607
clinical trials using hycanthone to treat Schistosoma mansoni-infected patients, standard and 4 lower dosages used in attempt to establish acceptable levels without toxic reactions, differences in cure rate by age groups: St. Lucia, West Indies

Age of host
Copeman, R.; Pashen, D.; and Burger, G., 1975, Med. J. Australia, v. 1, suppl. 2, 8-13
association of common intestinal parasites to growth, nutrition and living situation of Aboriginal children: Cunnamulla, Western Queensland

Age of host
Cottrell, B. J., 1977, J. Fish Biol., v. 11 (1), 35-47
Trypanosoma platessae in Pleuronectes platessa (blood) (nat. and exper.), brief redescription, age of host, seasonal variation may be related to change in ambient temperatures and host immunity levels, host specificity: Looe Bay

Age of host
Courtney, C. H.; and Forrester, D. J., 1974, Proc. Helminth. Soc. Washington, v. 41 (1), 89-93
helminths, Pelecanus occidentalis, prevalence and intensity, age of host

Age of host
Crandall, R. B., 1975, J. Parasitol., v. 61 (3), 566-567
Trichinella spiralis, C57Bl/6J mice, decreased resistance with age, prior infection prevented increased susceptibility of aged mice

Age of host
Cross, J. H.; et al., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (1), 52-60
survey of human intestinal and blood parasites and seroepidemiology of amoebiasis: Kalimantan Province, Indonesia

Age of host
Cross, J. H.; et al., 1976, J. Trop. Med. and Hyg., v. 79 (6), 123-131
statistical epidemiologic survey of parasite prevalence in natives of Northern Sumatra, Indonesia

Age of host
Cross, J. H.; et al., 1976, Trop. and Geogr. Med., v. 28 (2), 121-130
prevalence survey of parasitic infections in humans: West Kalimantan (Borneo), Indonesia

Age of host
Cross, J. H.; Irving, G. S.; and Gunawan, S., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (4), 467-471
Entamoeba histolytica, Toxoplasma gondii, statistics of seroimmunological survey for prevalence of antibodies to amoebiasis and toxoplasmosis in villagers of Central Java, Indonesia

Age of host
Csiza, C. K.; and McMartin, D. N., 1976, Lab. Animal Sc., v. 26 (5), 781-787
Myobia musculi, mouse breeding colony, dermatitis characterized by intense pruritus leading to self-mutilation and death, pathogenicity varies according to sex, age, mating ratios, sensitivity and strain of mice, dichlorvos + ronnel, good results

Age of host
Cutting, J. W., 1975, Bull. Pan Am. Health Organ., v. 9 (1), 13-18
survey of human intestinal parasites, influence of increased highway construction and environmental changes in area: Yaviza, Panama

Age of host
Czerpak, R., 1970, Acta Parasitol. Polon., v. 17 (20-38), 285-292
Trichinella spiralis larvae, mice given goldthioglucose and vitamin A, oxygen uptake by diaphragm muscles, influence of host sex and age

Age of host
Dafalla, A. A.; Satti, M. H.; and Abdel Nur, O. M., 1977, J. Trop. Med. and Hyg., v. 80 (3), 63-64
cutaneous larva migrans, preliminary epidemiologic survey shows high prevalence in children especially during rainy seasons, etiology unknown but high incidence of Strongyloides spp. in soil samples, suggested control measures: Northern Kordofan, Sudan

Age of host
Dahl, L. B.; and Lunde, K., 1974, Tidsskr. Norske Laegefor., v. 94 (30), 2083-2084
echinococcosis of lung in children, case reports, radiologic diagnosis: Norway

Age of host
Dailey, M. D.; and Perrin, W. F., 1973, Fish. Bull., National Oceanic and Atmos. Admin., v. 71 (2), 455-471
helminths, Stenella graffmani, S. cf. S. longirostris, incidence related to age of host

Age of host
Dancescu, P., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (2), 162-163
Strongyloides stercoralis in humans, observations on worm burden, clinical manifestations and infection duration as affected by host age: Romania

Age of host
Davidson, W. R.; and Calpin, J. P., 1976, J. Wildlife Dis., v. 12 (1), 72-76
Hepatozoon griseisciuri, location and pathogenicity of schizogonic stages, age and sex of host (gray squirrel), seasonal distribution, pathology: southeastern United States

Age of host
Davies, A. J.; and Johnston, M. R. L., 1976, J. Protozool., v. 23 (2), 315-320
Haemogregarina bigemina in Blennius pholis, incidence in relation to length of host, structure and development, no evidence for leech Oceanobdella blennii as vector, circumstantial evidence for Gnathia maxillaris as vector: Wales

Age of host
Dennis, D. T.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (6), 797-802
Timor filariasis, human, epidemiology, clinical manifestations, age and sex stratification of microfilaremia and symptoms: Ae Bubu, southeastern Flores, Southeast Indonesia

Age of host
Derkos-Mikulic, V., 1974, Acta Parasitol. Iugoslavica, v. 5 (2), 67-72
Toxoplasma gondii, survey of women of fertile age with Sabin-Feldman dye test, no difference in incidence between pregnant and non-pregnant women, higher number of positive reactions among women aged 30-40 than those aged 18-29: Zagreb

Age of host
De Rosa, F.; et al., 1972, Parassitologia, v. 14 (2-3), 275-286
echinococcosis, secondary peritoneal hydatidosis in experimental mice, antigen vaccination; inoculation with scolices, quantitative studies, various factors in receptivity

Age of host
De Rosa, F.; et al., 1972, Parassitologia, v. 14 (2-3), 293-302
echinococcosis, human, complement fixation reaction, indirect hemoagglutination, comparison, epidemiological applications, case histories

Age of host
Devlin, H. R.; and Bannatyne, R. M., 1977, Canad. Med. Ass. J., v. 116 (1), 20 [Letter]
Plasmodium vivax malaria in 3-week-old twins, mother treated for malaria prior to and during pregnancy but means of transmission to infants uncertain, successfully treated with chloroquine: Toronto, Canada (mother immigrated from India)

Age of host
Dickinson, A.B.; and Threlfall, W., 1975, Proc. Helminth. Soc. Washington, v. 42 (2), 111-116
helminths of Fundulus heteroclitus, seasonal variations, preferred site of attachment, host size and sex: Newfoundland

Age of host
Dipeolu, O. O., 1975, Nigerian J. Animal Prod., v. 2 (2), 222-226
ectoparasites, pigs, incidence higher in younger pigs and during rainy seasons: Ibadan and Eruwa, Western Nigeria

Age of host
Dobsinsky, O., 1974, Vet. Med., Praha, v. 47, v. 19 (5), 255-263
polyparasitism by helminths in cattle, incidence, population dynamics, seasonal distribution: Cuba

Age of host
Doucet, J.; and Castanier, C., 1970, Medecine Afrique Noire, v. 17 (11), 843-847
epidemiologic survey of human helminths and hemoparasites
(Schistosoma mansoni; Ascaris lumbricoides; Schistosoma haematobium; Plasmodium falciparum; P. malariae; Dipetalonema perstans; Necator americanus; Strongyloides stercoralis): all from Atiekwa

Age of host
Dronen, N. O., jr., 1977, Proc. Helminth. Soc. Washington, v. 44 (1), 68-72
Haematoloechus breviplexus, H. coloradensis, incidence and intensity in frogs, size (age), feeding preferences, and sex of hosts

Age of host
Dubey, J. P.; Hoover, E. A.; and Walls, K. W., 1977, J. Protozool., v. 24 (1), 184-186
Toxoplasma gondii, cats, effect of host age and sex on oocyst shedding, parasite multiplication in tissues, and acquisition of immunity

Age of host
Dumon, H.; and Quilici, M., 1976, Compt. Rend. Soc. Biol., Paris, v. 170 (3), 642-645
Schistosoma mansoni, Arvicanthis niloticus suitable laboratory hosts, susceptibility best before age of two months

Age of host
Dunstone, M., 1976, Med. J. Australia, v. 1 (3), 57-60
statistical review of common infectious diseases in Australia including human helminthiasis and Trichomonas

Age of host
Dutz, W.; et al., 1976, National Cancer Inst. Monograph (43), 31-40
Pneumocystis carinii interstitial plasma cell pneumonia in premature infants whose passive immunity due to maternally transferred antibodies has lost its effectiveness before infant's humoral immune systems have reached maturity, statistical observations from Shiraz Orphanage in Shiraz, Iran

Age of host
Dyk, V.; and Chroust, K., 1974, Acta Vet. Brno, v. 43 (1), 65-77
parasite survey, roe deer, incidence rate in two ecologically different regions, relationship to host age, preventive measures: Czechoslovakia

Age of host
Dyk, V.; and Chroust, K., 1974, Acta Vet. Brno, v. 43 (2), 123-131
helminths and coccidians of Ovis ammon musimon and Capreolus capreolus, intensity variation with age of host, lack of evidence for parasite exchange between mouflons and roe deer: School Forest Enterprise, University of Agriculture Brno, Krtiny

Age of host
Dyk, V.; and Chroust, K., 1975, Veterinarstvi, v. 25 (7), 315-317
helminths, incidence by age of host, problem in mouflon husbandry: Brno oblast

Age of host
Dzhabbarov, D. G., 1975, Izvest. Akad. Nauk Azerbaidzhan. SSR, s. Biol. Nauk (4), 90-92
Protostrongylus, sheep, seasonal and age dynamics of infection: Lesser Caucasus

Age of host
El Alamy, M. A.; and Cline, B. L., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 470-472
Schistosoma haematobium, S. mansoni, preliminary findings of comprehensive human schistosomiasis survey in the Qalyub region of the Nile Delta, Egypt

Age of host
Elkins, C. A.; and Corkum, K. C., 1976, J. Wildlife Dis., v. 12 (2), 208-214
Crepidostomum isostomum and Phyllodistomum pearsei, growth dynamics (growth phases categorized by development and maturation of reproductive system) and seasonal prevalence, age of host and prevalence of infection Aphredoderus sayanus: Whisky Bay, west of Intercoastal Canal, West Baton Rouge Parish, Louisiana

Age of host
Enders, B.; et al., 1974, Tropenmed. u. Parasitol., v. 25 (4), pp. 395-400
Schistosoma mansoni, infection pattern in Arvicanthus niloticus, high cercarial exposures, route of infection, host age and sex, effect on infection rate, comparison with hamster and mouse

Age of host
Esch, G. W.; Johnson, W. C.; and Coggins, J. R., 1975, Proc. Oklahoma Acad. Sc., v. 55, 122-127
Proteocephalus ambloplitis population dynamics, smallmouth bass (Micropterus dolomieui), lake temperature profile and infection rates, host hormones as possible stimulus for parenteric plerocercoid migration; suggested absence of competitive interaction between P. ambloplitis and Leptorhynchoides thecatus, densities of acanthocephalans and tapeworms and number of pyloric ceca present suggested potential space available for attachment not fully exploited: Gull Lake, Kalamazoo County, Michigan

Age of host
Eure, H., 1976, Parasitology, v. 73 (3), 355-370
Neoechinorhynchus cylindratus in Micropterus salmoides, seasonal periodicity (attempt to determine effects of water temperature, seasonally related host feeding habits, availability of infected intermediate hosts, host's sex and age, host location within reservoir), attempted analyses of parasite recruitment rate, maturation cycle, and sex ratio: heated reservoir (Par Pond), Energy Research and Development Administration's Savannah River Plant, Aiken, South Carolina

Age of host
Evans, N. A., 1977, J. Helminthol., v. 51 (3), 189-196
Sphaerostoma bramae in Rutilus rutilus, seasonal occurrence and cycle of maturation, variation in occurrence with age and sex of host, distribution within host population: Worcester-Birmingham canal

Age of host
Fallon, M. E.; and Wallace, D. C., 1977, Tr. Am. Fish. Soc., v. 106 (2), 189-191
Phyllodistomum undulans, incidence in Cottus bairdi (urinary bladder), host sex and time of year, correlation between fish length and number of parasites: Fleming Creek, Washtenaw County, Michigan

Age of host
Farhang-Azad, A., 1977, J. Parasitol., v. 63 (1), 117-122
Capillaria hepatica in Rattus norvegicus, prevalence, intensity, aspects of rat population ecology and environmental factors which relate to parasite transmission and maintenance: Baltimore Zoo, Maryland

Age of host
Fazen, L. E.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (1), 52-57
epidemiologic study of human microfilaruria in Guatemala, its frequency of occurrence and association with microfilariae in skin and its relationship to presence of subcutaneous nodules

Age of host
Feigenbaum, D.; and Carnuccio, J., 1976, J. Invert. Path., v. 28 (1), 127-130
trypanorhynchid cestode infections of shrimp, incidence and intensity, host sex and size: Biscayne Bay, Florida

Age of host
Ferretti, G.; et al., 1972, Riv. Parassitol., Roma, v. 33 (3), 183-202
Vampirolepis nana, mathematical expression of parasite growth as function of population density: development in mice infected with 8, 24, 80, or 240 eggs; development in mice of various inbred strains; development in relation to host sex and age and duration of infection; development from different pools of eggs

Age of host
Fine, J., 1969, Med. J. Zambia, v. 3 (2), 27-35
autopsy and surgical findings of pathology resulting from human schistosomiasis, possible relationships with bladder cancer: Zambia

Age of host
Foreyt, W. J.; Samuel, W. M.; and Todd, A. C., 1977, J. Parasitol., v. 63 (6), 1050-1052
Fascioloides magna in Odocoileus virginianus, prevalence, flukes were paired in 256 of 301 fibrous hepatic capsules, prevalence of immature flukes with an average of one immature per infected liver was similar in all host age classes and suggests a relationship between fluke pairing and maturation: southern Texas

Age of host
Forrester, D. J.; et al., 1974, J. Protozool., v. 21 (4), 494-497
Haemoproteus meleagridis, Leucocytozoon smithi, prevalence in Meleagris gallopavo: Florida

Age of host
Franco Ramirez, G.; Perez Norzagaray, J.; and de Saade, M. T., 1970, Pediatria, Bogota, v. 11 (4), 379-384
amoebiasis in nursing infants causing acute diarrhea, established as clinically distinct form from that of adults, diagnosis, pathology, clinical aspects: Colombia

Age of host
Franti, C. E.; et al., 1976, J. Am. Vet. Med. Ass., v. 169 (9), 901-906
Toxoplasma gondii, indirect hemagglutination test to determine prevalence in domestic and wild animals; epizootiologic factors (presence of cats, feeding habits of potential host, age and longevity of host, species and population densities of animals, and geographic and climatic factors): northern California

Age of host
Frentzel-Beyme, R., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (3), 339-357
Onchocerca volvulus, human, epidemiological survey, parasitological and clinical findings, age and sex specific prevalence rates, relation to rate of blindness: Bong Range, Liberia

Age of host
Frentzel-Beyme, R. R., 1975, Tropenmed. und Parasitol., v. 26 (4), 469-488
Onchocerca volvulus, epidemiologic survey of inhabitants of 121 communities over 3-year period for incidence and risk of blindness associated with onchocerciasis infection, importance as public health problem, results show 50% increased risk associated with exposure to parasites: Liberia

Age of host
Frentzel-Beyme, R., 1975, Tropenmed. u. Parasitol., v. 26 (1), 70-87
Onchocerca volvulus, extensive incidence survey showing geographic patterns, age and sex differences in infected population of Liberia

Age of host
Fribourg-Blanc, A.; Bois, E.; and Feingold, J., 1975, Medecine et Malad. Infect., v. 5 (10), 502-507
toxoplasmosis, epidemiologic survey of Amerindian tribes in French Guiana, implication of wild animals used as food source as possible reservoir hosts

Age of host
Fuglsang, H.; Anderson, J.; and Marshall, T. F. de C., 1976, Tropenmed. u. Parasitol., v. 27 (3), 355-364
Onchocerca volvulus in humans, comparative survey of natives of rain-forest and savannah areas for presence of head nodules containing adult worms, possible associations between presence of nodules and ocular onchocerciasis: Cameroon

Age of host
Fuller, G. K.; et al., 1976, Ann. Trop. Med. and Parasitol., v. 70 (2), 147-163
Leishmania donovani, human, epidemiologic skin test survey, endemic area, correlations with age, sex, occupation, parasite pathogenicity and host resistance: northwestern Ethiopia

Age of host
Furfaro, M.; Ferro, P.; and Maragliano, G., 1973, Minerva Ginec., v. 25 (3), 160-164
human Trichomonas vaginalis, mixed vaginal infections with Monilia, statistical survey, highest incidence during pregnancy with low incidence prior to puberty and after menopause

Age of host
Gall, Z.; and Hraste, J., 1969, Medicina, Rijeka, v. 6 (2), 157-163
survey of fauna of human oral cavity, Entamoeba gingivalis and Trichomonas elongata discovered mostly in presence of tooth decay and alkaline reactions: Rijeka, Yugoslavia

Age of host
Gardner, I. D.; and Remington, J. S., 1977, Infect. and Immun., v. 16 (2), 593-598
Toxoplasma gondii, mice, age-related decline in resistance to infection, possible role of serum factors and spleen cells in altered resistance of older mice

Age of host
Gemmell, M. A., 1976, Research Vet. Sc., v. 21 (2), 223-226
Taenia hydatigena, lambs on contaminated pasture, modification of transmission pattern under 5 weeks of age due to change from sucking to grazing behavior and/or immunity passively transferred via colostrum

Age of host
George, E.; Harrison, E. J.; and Hadley, W. F., 1977, Tr. Am. Fish. Soc., v. 106 (5), 476-480
Myxobolus dentium in Esox masquinongy (cysts in palatine and vomerine teeth), incidence of infection, age of host, seasonal distribution: upper Niagara River

Age of host
George, R. R.; and Bolen, E. G., 1975, J. Wildlife Dis., v. 11 (1), 17-22
endoparasites of Dendrocygna autumnalis, prevalence higher in juveniles, pathology: Nueces County, southern Texas

Age of host
Georgi, J. R.; et al., 1976, Cornell Vet., v. 66 (3), 309-323
Filaroides hirthi, life history in beagles, occurrence as function of age, intermediate or alternate definitive hosts not found, levamisole not effective: commercial breeding establishment, North Rose, Wayne County, New York

Age of host
Ghadirian, E.; et al., 1976, Canad. J. Pub. Health, v. 67 (6), 495-498
human toxocariasis, prevalence survey of Toxocara spp. and other helminth ova in dogs and soil from city parks, larvae survival over winter months results in continuing contamination of soil and increasing public health problem: Montreal

Age of host
Giannini, M. S., 1974, J. Protozool., v. 21 (4), 521-527
Leishmania donovani, promastigote-initiated infection in Mesocricetus auratus, infectivity in relation to host age at time of inoculation, growth phase of promastigotes at harvest, and frequency of subculture

Age of host
Giboda, M.; Hoffman, F.; and Rimar, P., 1971, Ceskoslov. Pediat., v. 26 (2), 88-89
intestinal protozoal infections in children aged 1-15 years, clinical trials with metronidazole, results and parasites eliminated varied with age and parasite: Kosice, Czechoslovakia

Age of host
Gibson, T. E.; and Parfitt, J. W., 1972, Research Vet. Sc., v. 13 (6), 529-535
Trichostrongylus colubriformis, lambs, increased ability to develop resistance with increasing age, importance of grazing management designed to reduce hazard of infection for young animals

Age of host
Gilbert, F. F., 1973, J. Wildlife Dis., v. 9 (2), 136-143
Parelaphostrongylus tenuis, prevalence in Odocoileus virginianus males vs. females, fawns vs. adult deer, areas of high vs. low deer density, localization within cranial cavity, implications for transmission: Maine

Age of host
Gilman, R. H.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (5), 663-666
Entamoeba histolytica, seroepidemiologic survey in western Malaysian populations, role of age, family contact, jungle isolation and ethnic groups as etiologic factors: Malaysia

Age of host
Glebezdin, V. S., 1975, Izvest. Akad. Nauk Turkmen. SSR, s. Biol. Nauk (5), 76-80
coccidiosis, sheep, infection rates, host age, season: Turkmenistan

Age of host
Gonzalez, M. A., 1977, Gac. Vet., Buenos Aires (322), v. 39, 389-393
Oestrus ovis, sheep, symptoms of myiasis, localization of lesions, total numbers and size distribution of larvae collected, seasonal distribution, host age: packing houses, prov. Corrientes, dept. Mercedes, Argentina

Age of host
Gothe, R.; and Imhoff, N., 1975, Berl. u. Munchen. Tierarztl. Wchnschr., v. 88 (22), 431-436
arthropods, incidence in carrier pigeons, variation with host age: Germany

Age of host
Graham, J. M., 1975, J. Parasitol., v. 61 (3), 513-516
Dirofilaria immitis, adult heartworms found in 11 of 133 Canis latrans, host age and sex, discussion as reservoirs: Kansas; Colorado

Age of host
Gravely, S. M.; Hamburger, J.; and Kreier, J. P., 1976, Infect. and Immun., v. 14 (1), 178-183
Plasmodium berghei, young vs. adult rats, T and B cell population changes in relation to mechanism of age-related immunity

Age of host
Greenwood, B. M.; and Greenwood, A. M., 1971, Tr. Roy. Soc. Trop. Med. and Hyg., v. 65 (5), 581-585
Plasmodium berghei yoelii-infected NZB and B/W hybrid mice, adult mice more susceptible to infection than young mice of same strains, probably due to defective cell-mediated immunity in adults

Age of host
Greiner, E. C., 1975, J. Wildlife Dis., v. 11 (2), 150-156
Haemoproteus in Zenaida macroura, prevalence with respect to year, season, host age; no correlation between parent and nestling infections; collection of potential vectors (Culicidae and Hippoboscidae): Lancaster County, Nebraska

Age of host
Gundelfinger, B. F.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 393-396
statistics of survey for prevalence of human Plasmodium spp. and response of Plasmodium falciparum and P. vivax to standard dose of chloroquine; first record of P. ovale reported in Timor, Indonesia

Age of host
Harman, D. M.; and Chapman, J. A., 1977, Proc. Pennsylvania Acad. Sc., v. 51 (1), 40-42
Cecidopsylla simplex, Odontosyllus multispinosus, Ixodes dentatus, and Haemaphysalis leporispalustris on Sylvilagus transitionalis, seasonal distribution, sex and age of host: Tucker County, West Virginia

Age of host
Harmsen, R., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 364-373
Trypanosoma brucei, low survival rate in Glossina pallidipes interpreted as in part result of establishment barrier which is less active in young vs. older flies, peritrophic membrane appears unlikely to be establishment barrier, postulated adjustment period for trypanosomes in flies supported by evidence on temperature sensitivity of parasite enzymes

Age of host
Hayes, H. M.; and Priester, W. A., 1973, J. Small Animal Practice, v. 14 (12), 797-804
Haemobartonella felis and/or Eperythrozoon felis, feline infectious anaemia, relative risk according to age, sex and breed of cats, prior disease, seasonal occurrence, mortality, pattern of risk suggests horizontal transmission probably by direct contact

Age of host
Hazen, T. C.; and Esch, G. W., 1977, Am. Midland Nat., v. 98 (1), 213-219
Crepidostomum cooperi and Plagioporus sp. in Hyalella azteca, relationship of parasite density to host age, water temperature, and host densities: Gull Lake, Kalamazoo Co., Michigan

Age of host
van Helden, H. P. T.; et al., 1976, Trop. and Geogr. Med., v. 28 (4), 364 [Abstract]
Schistosoma mansoni, S. haematobium, focal and diffuse fluorescence patterns, variations with host age observed during serologic prevalence survey

Age of host
Henricson, J., 1977, J. Fish Biol., v. 11 (3), 231-248
Diphyllobothrium dendriticum, D. ditremum, incidence and intensity of infection increased with age of fish to age 8+ for both species, no differences in intensity between sexes

Age of host
Henry, L.; and Beverley, J. K. A., 1976, Brit. J. Exper. Path., v. 57 (3), 274-280
Toxoplasma gondii, mice, age and sex differences in response of lymph node post-capillary venules, possible role of female sex hormones on vascular endothelium in modifying development of immune response

Age of host
Hernandez Chinas, C.; Biagi Finisola, F.; and Salmon Rodriguez, L., 1975, Bol. Med. Hosp. Inf., v. 32 (4), 621-627
uncinariasis, children, epidemiologic and statistical survey: central Mexico

Age of host
Herrer, A.; and Christensen, H. A., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 54-58
Leishmania braziliensis, human, endemic persistence of cutaneous leishmaniasis with occurrence of disease mainly in children, Choloepus hoffmanni as principal reservoir host with infections also found in Canis familiaris and Aotus trivirgatus, collection of potential phlebotomine sandfly vectors: El Aguacate, Panama

Age of host
Hiatt, R. A., 1976, Am. J. Trop. Med. and Hyg., v. 25 (6), 808-817
Schistosoma mansoni, human, assessment of public health impact, frequency of signs and symptoms in relation to prevalence and intensity of infection based on quantitative analysis of egg excretion, age and sex differences: Twawuzgi vs. Guramba, Highland Ethiopia

Age of host
Hiatt, R. A.; and Gebre-Medhin, M., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 473-481
Schistosoma mansoni, population-based clinical and quantitative parasitological parameters of infections in Highland Ethiopia

Age of host
Hinson, G.; et al., 1976, Tr. Illinois State Acad. Sc., v. 69 (2), 176-187
Crassiphiala bulboglossa in fishes, intensity of infection varied according to downstream locations, species of hosts, body location, and age of host: Embarras River, Champaign Co., Illinois

Age of host
Hornabrook, R. W.; Kelly, A.; and McMillian, B., 1975, Am. J. Trop. Med. and Hyg., v. 24 (4), 590-595
survey and comparison of parasitic populations of 2 linguistic groups living at geographically different areas of island: Kar Kar Island

Age of host
Huang, C. T.; et al., 1969, Nettai Igaku (Trop. Med.), v. 11 (3), 136-144
epidemiologic survey of post-mortem examinations and fecal specimens from hospital patients for intestinal helminths; incidence of clonorchiasis remains stable due to custom of eating raw fish; soil nematode infections decreasing with improved sanitation: Hong Kong

Age of host
Ismail, M. M.; and Nagaratnam, N., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 405-409
filariasis as possible cause of arthritis, clinical features and laboratory findings in 33 cases, age distribution, diethylcarbamazine treatment gave good results: Sri Lanka

Age of host
Iurpalova, N. M., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 285-293
cestodes of water-marshland birds, comparison of species found in young vs. adult birds: Chukot

Age of host
Iwamoto, I.; Tada, I.; and Wonde, T., 1973, Nettai Igaku (Trop. Med.), v. 15 (1), 36-45
Onchocerca volvulus in humans, epidemiologic survey, clinical manifestations, hetrazan: Ilubabor Province, Ethiopia

Age of host
Jacobs, D. E.; and Pegg, E. J., 1976, J. Helminth., v. 50 (4), 265-266
gastrointestinal nematodes of elite show dogs, host age and sex, relatively low level of patent infections: Great Britain

Age of host
Jacobs, D. E.; and Prole, J. H. B., 1976, Vet. Parasitol., v. 1 (4), 377-387
helminth infections of racing greyhounds, survey of 869 dogs, prevalence in relation to age and sex of host and season of year: southeast England

Age of host
Jakovljevic, D. D., 1975, Acta Vet. Beograd, v. 25 (6), 315-325
Ascaris suum, method for obtaining embryonated eggs capable of infection; number of developed worms in intestines inversely related to number of administered eggs and age of suckling pigs; pathomorphological changes in liver and lungs; earthworms (Allolobophora caliginosa, Octolasium transpadanum, Lumbricus rubellus, Allolobophora leoni) have only a passive role as 'carriers' of embryonated eggs in transfer of infection to swine; incidence and economic importance: Yugoslavia

Age of host
James, B. L., 1968, J. Nat. Hist., v. 2 (1), 21-37
Parvatrema homoeotecnum, percentage infection in Littorina saxatilis tenebrosa var. similis as affected by seasonal variations in host population density and correlation with host breeding cycle, migration, growth and mortality; brief comparisons with distribution in Microphallus similis and M. pygmaeus forms A and B: Twr Gwylanod, near Aberystwyth

Age of host
Jaron, W., 1969, Acta Parasitol. Polon., v. 16 (1-19), 1968-1969, 137-152
helminth fauna of adult swallows just returning from migration compared with young birds; dynamics of infection, species composition of helminths, various stages of nesting season: Poland

Age of host
Jarpa, A., 1972, Bol. Chileno Parasitol., v. 27 (3-4), 96-102
statistical analysis of clinical records of 85 patients with hepatic amoebiasis abscesses: Santiago, Chile

Age of host
Jeffery, G. M.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 402-411
application of indirect fluorescent antibody test findings to assessment of endemicity of Plasmodium falciparum and P. vivax in malarial surveillance areas, climate, geography and area development as additional varying factors: Mato Grosso State, Brazil

Age of host
Jobin, W. R.; Negron-Aponte, H.; and Michelson, E. H., 1976, Am. J. Trop. Med. and Hyg., v. 25 (4), 587-594
epidemiologic surveys for prevalence of Schistosoma haematobium infections in snail hosts and humans to assist in evaluating risk of future schistosomiasis transmission in a proposed irrigation scheme for Mauritania and to assist in designing a system to minimize transmission

Age of host
Jones, H. I., 1976, Papua N. Guinea Med. J., v. 19 (3), 165-172
Ascaris lumbricoides, Necator americanus, Trichuris trichiura, epidemiologic survey of human helminths in natives of Kar Kar Island, Ascaris infections highest and heaviest in children and principal cause of high eosinophilia in the communities: Madang Province, Papua New Guinea

Age of host
Joyner, L. P., 1973, Folia Vet. Latina, v. 3 (1), 110-123
Eimeria adenoeides, Eimeria meleagrimitis, coccidiosis in turkeys, pathogenicity, age resistance, control, drug resistance, review

Age of host
Kale, O. O., 1977, Am. J. Trop. Med. and Hyg., v. 26 (2), 208-214
Dracunculus medinensis, clinico-epidemiologic survey of guinea worm infection in native population, economic and occupational importance, possible control measures by provision of wholesome water supplies: Ibadan district, Nigeria

Age of host
Karim, K. A.; and Trust, T. J., 1977, Canad. Med. Ass. J., v. 117 (8), 895-896,899
Toxoplasma gondii, sero-epidemiologic survey for titers of antibody to toxoplasmosis indicates that one in three persons in Greater Victoria area has been infected with the rate of infection particularly high in women aged 31 to 35: British Columbia

Age of host
Kasper, L. H.; and Alger, N. E., 1973, J. Protozool., v. 20 (3), 445-449
Plasmodium berghei, mice, adoptive transfer of immunity, effect of number of cells transferred, source of cells (spleen vs. lymph node), and age of host from which they are derived

Age of host
Katamine, D.; et al., 1972, Nettai Igaku (Trop. Med.), v. 14 (4), 186-197
Paragonimus in humans, epidemiologic survey of village inhabitants and vector crabs (Eriocheir japonicus), higher incidence of Metagonimus yokogawai infection than paragonimiasis in villagers: Hata District, Kochi Prefecture, Japan

Age of host
Kennedy, C. R.; and Burrough, R., 1977, J. Fish Biol., v. 11 (6), 619-633
Diplostomum gasterostei and Tylodelphys clavata in Perca fluviatilis (eyes), seasonal changes in frequency distribution, incidence and intensity of infection, parasite life span, age of host: Slapton Ley, South Devon

Age of host
Kennedy, C. R.; and Lie, S. F., 1976, J. Fish Biol., v. 8 (4), 293-302
Bustrongylides sp., distribution, pathogenicity of larvae in fish host, preference for female fish and larger fish, little accumulation in older fish, no seasonal changes in infection levels nor pathological effects

Age of host
Khan, R. A., 1975, J. Wildlife Dis., v. 11 (2), 205-209
Trichodina oviducti-infected Raja radiata (copulatory sac wall), histopathology, restriction of infection to adult hosts may be correlated with mucopolysaccharide levels: coastal areas adjacent to St. John's, Newfoundland, Canada

Age of host
King, C. M., 1977, J. Zool., London, v. 182 (2), 225-249
Skrjabingylus nasicola, incidence and extent of damage caused in Mustela nivalis, climate, age, sex and body size of host: Britain

Age of host
Kinsella, J. M.; and Winegarner, C. E., 1975, J. Parasitol., v. 61 (4), 779-781
Anatrichosoma buccalis in Didelphis virginiana, incidence of lesions, host age, course of infection in field: Archbold Biological Station, Highlands County, Florida

Age of host
Kloetzel, K., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 344 [Letter]
Schistosoma mansoni, suggested technique for "selective chemotherapy" concentrating on the 10-19 years age groups as control measure for human schistosomiasis in Brazil

Age of host
Knight, R. A.; and Rodgers, D., 1974, Proc. Helminth. Soc. Washington, v. 41 (1), 116
Haemonchus contortus, lambs, age resistance to single inoculation

Age of host
Knight, S. A.; Janovy, J., jr.; and Current, W. L., 1977, J. Parasitol., v. 63 (5), 897-902
Myxosoma funduli on Fundulus kansae (gills), summer epizootiology: parasite population overdispersed within host population, demographic characteristics of infected fish subpopulation virtually identical to those of whole fish population, distribution on individual gill bars, proportion of unilateral vs. bilateral infections, pre-existing infection does not preclude new infection: South Platte River, Nebraska

Age of host
Kocyłowski, B.; et al., 1976, Bull. Vet. Inst. Pulawy, v. 20 (1-2), 12-17
Eimeria carpelli, carp (intestine), incidence correlated with host age and state of culture and hygiene of ponds, amprolium chloride, good results, higher efficacy than nitrofural: Poland

Age of host
Koenig-Rombourg, H., 1973, Medecine Trop., v. 33 (6), 611-616
survey of 270 sera for toxoplasmosis antibodies, comparison of Senegalese natives with findings in Europeans, relationship of age to antibodies

Age of host
Koller, R. L.; and Gaudin, A. J., 1977, Southwest. Nat., v. 21 (4), 503-509
helminths of Bufo boreas and Hyla regilla, recovery at 2 sites with diverse climates, statistical analysis indicates correlations between incidence and/or intensity of infection and host species, locality, and sex and size of host: Los Angeles County, California (Malibu Creek; Big Tujunga Wash)

Age of host
Kopp, H., 1975, Untersuchungen uber die Eiausscheidung von Fasciola hepatica und Dicrocoelium dendriticum bei Schaf und Rind im Verlauf eines Jahres, 53 pp.
Fasciola hepatica in sheep and cattle, Dicrocoelium dendriticum in sheep, egg production in relation to host age and season of year; problems in estimation of numbers of flukes from numbers of eggs in feces, bile or gall bladders

Age of host
Kozel, T. R., 1976, Tr. Kentucky Acad. Sc., v. 37 (1-2), 41-44
Ichthyophthirius multifiliis, distribution on body of Fundulus notatus, younger fish more heavily infested than older ones, host behavioral changes: area surrounding confluence of Pope Lick Creek and Floyds Fork Creek, near Pope Lick Road bridge, southeastern Jefferson County, Kentucky

Age of host
Kretschmar, W.; and Voller, A., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (1), 51-59
Plasmodium falciparum, suppression of malaria in Aotus trivirgatus fed exclusively on milk diet, indicates that P. falciparum is dependent on exogenous p-aminobenzoic acid supply for normal growth, supports view that dietary factors are involved in infant resistance to malaria

Age of host
Kuhlow, F.; and Zielke, E., 1976, Tropenmed. u. Parasitol., v. 27 (1), 93-100
night blood survey of 82 localities to establish distribution and prevalence of Wuchereria bancrofti in various parts of Liberia, humans

Age of host
Kuttler, K. L.; and Todorovic, R. A., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 106-112
Anaplasma marginale, cattle, premunization, Gloxazone and Imidocarb superior to oxytetracycline in moderating premunizing infection, possible factors affecting success (age of host; virulence, size, and potency of premunizing inoculum; strain or size of challenge exposure; temperature and altitude)

Age of host
van der Kuyp, E., 1971, Trop. and Geogr. Med., v. 23 (4), 376-380
Schistosoma mansoni, epidemiologic survey of 593 persons showed 4.7% infection rate with children most involved, main contamination area apparently ball field surrounded by ditches containing Biomphalaria glabrata vectors, preventive and control measures: Albina, Surinam

Age of host
Lambrecht, F. L.; and Fernando, J. B., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (1), 76-79
Wuchereria bancrofti, age-grading of Culex pipiens fatigans vector mosquitoes, assessment in relationship to vectorial capacities

Age of host
Lehman, J. S., jr.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 384-399
Schistosoma haematobium, men and boys, clinical evaluation, radiography, quantitative egg excretion, bacterial cultures, renal function, results analyzed by age, by symptoms, by presence of polypoid vs. calcified lesions, by presence or absence of obstructive uropathy, and by response to antischistosomal treatment: Egypt

Age of host
Lehman, J. S., jr.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (2), 285-294
Schistosoma mansoni in a defined population, patterns of prevalence, intensity, hepatomegaly and splenomegaly with respect to age and sex: Castro Alves, Bahia, Brazil

Age of host
Lesin'sh, K. P.; et al., 1975, Latvijas PSR Zinat. Akad. Vestis (340) (11), 27-30
helminths, chickens, effect of host age and method of rearing on infestation: Latvian SSR

Age of host
Lewis, J. W.; and Bryant, V., 1976, J. Helminth., v. 50 (3), 163-171
Nematospiroides dubius, distribution within small intestine of mice up to 60 days post-infection, relation of establishment and pattern of distribution to host age and sex, degree of aggregation of worm populations with respect to host intestine and to each other

Age of host
Lie, K. J.; Kwo, E. H.; and Ow-Yang, C. K., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (2), 196-200
Ascaris lumbricoides, Trichuris trichiura, Necator americanus, fecal survey for evidence of soil-transmitted helminths in infants and children living near Kuala Lumpur, Malaysia

Age of host
Lim, H. K.; Ow-Yang, C. K.; and Lie, K. J., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (1), 134-135 [Demonstration]
Echinostoma audyi, E. hystricosum, Hypoderaeum dingeri, development of redial populations within Lymnaea rubiginosa snail hosts (exper.), trematode development associated only with increased snail size

Age of host
Lockard, L. L.; Parsons, R. R.; and Schaplow, B. M., 1975, Great Basin Nat., v. 35 (4), 442-448
Salmo trutta (upper digestive tract), relationship of incidence and intensity of nematode infection to age and sexual maturity of host, higher infection rate in sexually mature trout due to aggressive feeding behavior: streams in southern and western Montana

Age of host
Long, P. L., 1971, Symposia Brit. Soc. Parasitol., v. 9, 65-75
maintenance of Eimeria and Histomonas in vivo, extensive review: maintenance of Eimeria (purification of species, exper. infections in chickens, factors affecting susceptibility of chickens and chicken embryos to infection; freeze-preservation); maintenance of Histomonas meleagridis (infection with ground-up infected tissues; use of in vitro cultures to obtain in vivo infections; use of embryonated Heterakis gallinarum ova to induce histomoniasis in vivo)

Age of host
Lubieniecki, B., 1976, J. Fish Biol., v. 8 (6), 431-439
Grillotia erinaceus plerocercoids, haddock, cod, saithe, incidence and intensity increased with host age, no host sex difference in incidence, proportions of parasite maturity stages consistent between haddock length groups, distribution in gut of hosts, speculation on life cycle, Ouchterlony gel diffusion test (precipitin bands failed to develop)

Age of host
McCullough, F. S.; and Magendantz, M., 1974, Ann. Trop. Med. and Parasitol., v. 68 (1), 69-80
Schistosoma mansoni, human, epidemiological survey, prevalence and egg output patterns, attempted correlation with age, sex, sector, socio-economic status, religion, occupation, and water supply, relative importance of Lake Victoria and several small streams in transmission, implications for control measures: Mwanza, Tanzania

Age of host
McGhee, R. B.; Singh, S. D.; and Lushbaugh, W. B., 1975, J. Protozool., v. 22 (3), 18A [Abstract]
Plasmodium gallinaceum in chicken embryos of different ages, differences in development and reproduction may be due to different hemoglobin composition

Age of host
McMillan, B.; Kelly, A.; and Walker, J. C., 1971, Trop. and Geogr. Med., v. 23 (4), 390-392
Hymenolepis diminuta, statistics of prevalence survey in highland areas; no evidence of H. nana in man in this area: New Guinea

Age of host
McVicar, A. H., 1977, J. Helminth., v. 51 (1), 11-21
intestinal helminths of Raja naevus, incidence, intensity, pattern of infection with host age and sex, geographical differences in composition of parasite burden: British waters

Age of host
Martialay Valle, F., 1975, An. Inst. Invest. Vet., Madrid, v. 23, 1974-1975, 131-148
Eimeria bateri, pathogenic for one day old quails, little pathogenicity for quails more than 2 weeks old

Age of host
Mason, J.; and Hobbs, J., 1977, Bull. Pan Am. Health Organ., v. 11 (1), 17-30
malaria field studies, 1971-1973, incidence, seasonal occurrence, densities in regard to host age and sex: coastal area of El Salvador

Age of host
Mathews, H. M.; Lobel, H. O.; and Breman, J. G., 1976, Am. J. Trop. Med. and Hyg., v. 25 (2), 217-220
Plasmodium falciparum, P. malariae, infants and young children, prevalence of malaria antibody evaluated using indirect hemagglutination test with P. falciparum antigen and filter paper blood specimens, slight decline in 6- to 8-month-old children with no demonstrable parasitemia but those older than 10 months had similar antibody levels regardless of presence or absence of demonstrated parasites in blood smears: Ivory Coast

Age of host
Mattern, C. F. T.; and Keister, D. B., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 393-401
axenically cultured Entamoeba histolytica in mice (brain) (exper.), pathology and pathogenicity of virulent and avirulent strains, variations in host response related to host age

Age of host
Mattern, C. F. T.; and Keister, D. B., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 402-411
axenically cultured Entamoeba histolytica in newborn hamsters (liver) (exper.), pathology of hepatic infections, variations in strain virulence, host response related to host age

Age of host
de Meuter, F., 1972, Medecine et Malad. Infect., v. 2 (10), 345-346
4 strains of human Toxoplasma gondii isolates lethal in new-born rats but tolerated by adult rats

Age of host
Meyers, T. R.; Sawyer, T. K.; and MacLean, S. A., 1977, J. Parasitol., v. 63 (5), 890-896
Henneguya sp. in Pomatomus saltatrix (bulbus and truncus arteriosus), gross and microscopic pathology, size of host: Atlantic Ocean near Montauk Point, Long Island, New York; Raritan Bay, New Jersey; Chesapeake Bay, Maryland

Age of host
Mora, M.; and Tatalovic, N., 1975, Nouv. Presse. Med., v. 4 (10), 744 [Letter]
human visceral Mediterranean leishmaniasis occurring in 78-year-old woman, case report: France

Age of host
Motakef, M.; et al., 1977, Pahlavi Med. J., v. 8 (2), 208-219
epidemiologic survey of human intestinal parasites in Khorasan Province, Iran and comparisons with previous survey areas

Age of host
Mott, K. E.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (4), 552-562
epidemiology and household distribution of seroreactivity to Trypanosoma cruzi in defined rural population in endemic area, analysis of seropositivity with age and sex of host and possible correlations with immunologic factors: Brazil

Age of host
Muraleedharan, K.; et al., 1976, Mysore J. Agric. Sc., v. 10 (1), 105-117
prevalence and incidence of Schistosoma nasale in cattle and buffaloes, disease dependent upon host age and sex, number of infected snail intermediate hosts, temperature, and rainfall: Karnataka State (Dhanayakanapura, Bangalore District; Hunchipura, Mandya District)

Age of host
Nadakal, A. M.; et al., 1973, Tr. Am. Micr. Soc., v. 92 (2), 273-276
Raillietina echinobothrida, new ant intermediate hosts, exper. infections in chickens revealed no effect of host age or infecting dose on prepatent period, histopathological changes, enteritis with granuloma formation

Age of host
Ndiritu, C. G.; and Al-Sadi, H. I., 1977, J. Small Animal Practice, v. 18 (3), 199-205
hookworms, dogs, age and sex incidence, seasonal distribution, clinical picture, pathology: Nairobi, Kenya

Age of host
Nejmi, S.; and Alami, S., 1973, Maroc Med. (572), v. 53, 561-568
Toxoplasma gondii, epidemiologic survey of Marocaine population using immunofluorescence: Maroc

Age of host
Nelson, G. S.; and Davies, J. B., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 16-17 [Demonstration]
Mansonella ozzardi, humans, epidemiologic survey, concentration of microfilariae in superficial capillaries, mixed infections with Wuchereria bancrofti differentiated using stained filters: Trinidad

Age of host
Nosenas, J. S.; et al., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (3), 359-365
Schistosoma japonicum, estimation of annual incidence by monitoring prevalence in school children, application to control measures: Philippines

Age of host
Nourmand, A., 1976, Am. J. Trop. Med. and Hyg., v. 25 (6), 845-847
Echinococcus granulosus, experience with hydatid cyst in 58 pediatric patients from 3 to 18 years of age: Iran

Age of host
Nozais, J. P.; et al., 1975, Medecine Trop., v. 35 (5), 413-417
Toxoplasma gondii, epidemiologic survey of disease prevalence using indirect immunofluorescence test, infection at early age, probably through ingestion of contaminated soil as a result of poor hygiene habits: Ivory Coast

Age of host
Odening, K.; and Bockhardt, I., 1976, Zool. Anz., Jena, v. 196 (3-4), 182-188
Azygia lucii, seasonal occurrence, pike, (Esox lucius), age of host: near Berlin

Age of host
Oduye, O. O.; and Dipeolu, O. O., 1976, J. Small Animal Practice, v. 17 (5), 331-337
blood parasites of dogs, single and mixed infections, correlation between incidence and rainfall, degree of parasitaemia, infectivity rate within age groups, no significant difference in host susceptibility of local and exotic breeds to infection: Ibadan, Nigeria

Age of host
Ogunba, E. O., 1977, J. Trop. Med. and Hyg., v. 80 (9), 187-191
human intestinal protozoa, epidemiologic and prevalence survey in Ibadan, Nigeria

Age of host
O'Holohan, D. R., 1976, J. Trop. Med. and Hyg., v. 79 (9), 191-196
Plasmodium vivax, P. falciparum, human, analysis of clinical and laboratory findings of 1000 cases, need for diagnostic awareness and repeated blood smears in endemic areas: Malaysia

Age of host
Oikawa, H.; et al., 1975, Japan. J. Vet. Sc., Tokyo, v. 37 (3), 271-279
Eimeria spp., chickens, survey during 1973 neither seasonal nor regional distribution differences were observed; oocyst detection rate significantly low in chicks up to 30 days old: Japan

Age of host
O'Kelly, J. C.; and Spiers, W. G., 1976, J. Parasitol., v. 62 (2), 312-317
Boophilus microplus, infestation of British vs. zebu calves in early life (nat. and exper.), differences in resistance, changes in blood composition

Age of host
Okon, E. D., 1976, Trop. Animal Health and Prod., v. 8 (2), 96
B[abesia] trautmanni, Eperythrozoon, Haematopinus suis, pigs, incidence of infection according to host age groups: Ibadan, Nigeria

Age of host
Olsen, T., 1976, Sarsia (61), 55-57
Podocotyle atomon, two-spot gobies, Gobius flavescens (stomach, intestine), incidence increases with host age; monthly incidence: Lindaspollene, western Norway

Age of host
Omer, A. H. S.; et al., 1976, J. Trop. Med. and Hyg., v. 79 (7), 151-157
increasing incidence of Schistosoma mansoni in Gezira area of Sudan, clinical findings in inhabitants, frequent hepatosplenomegaly attributed to schistosomiasis and possibly hyperendemic malaria

Age of host
Omland, T.; Tønjum, A.; and Frentzel-Beyme, B. R., 1977, Tropenmed. u. Parasitol., v. 28 (3), 372-376
Toxoplasma gondii, prevalence survey for presence of antibodies to toxoplasmosis in native Liberians using the Sabin-Feldman dye test, differing habitats

Age of host
Onuigbo, W. I. B., 1975, Am. J. Trop. Med. and Hyg., v. 24 (4), 708-709
Onchocerca volvulus, statistical survey of biopsied nodules in the Igbos of Nigeria

Age of host
Overstreet, R. M., 1977, J. Parasitol., v. 63 (5), 780-789
Poecilancistrium caryophyllum in Cynoscion nebulosus, seasonal incidence and intensity, relation of infections to salinity and temperature of water, host length and host sex, common infection sites, effect of plerocercoids on host, possible immune response: Gulf of Mexico

Age of host
Ow-Yang, C. K.; Lim, H. K.; and Lie, K. J., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (1), 135 [Demonstration]
Fasciola gigantica in Lymnaea rubiginosa (exper.), increased host resistance with increased host age

Age of host
Pal, M.; Verma, J. D.; and Dahiya, S. M., 1976, Indian J. Animal Research, v. 10 (2), 93-95
Theileria, cattle, higher incidence in young calves of exotic breed (Holstein Friesian) than adults: Satbari, Delhi

Age of host
Pampiglione, S.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 60-68
Leishmania donovani, statistics of leishmanin skin test survey of old endemic focus and new outbreak area of human Mediterranean leishmaniasis, useful tool for epidemiologic studies: Italy

Age of host
Pampiglione, S.; et al., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 62-65
human cutaneous leishmaniasis, leishmanin skin test epidemiologic survey of old endemic areas, statistics, no cross-reactions with tuberculin tests: Italian Adriatic coast

Age of host
Pampiglione, S.; and Ricciardi, M. L., 1972, Parassitologia, v. 14 (2-3), 329-338
Strongyloides fuelleborni, survey, geographic distribution, incidence in human feces, endemic in tropical forest regions, sporadic in savannah regions, slightly higher prevalence in children: West, Central and East Africa

Age of host
Paperna, I.; and Zwerner, D. E., 1976, Canad. J. Zool., v. 54 (4), 449-462
Ergasilus labracis, distribution, seasonal abundance, host age, life cycle, developmental stages (free-living and on Morone saxatilis), laboratory studies on egg development, hatching, naupliar survival, and adult female survival; effects of temperature and salinity: lower Chesapeake Bay

Age of host
Pavlasek, I., 1975, J. Protozool., v. 22 (3), 68A [Abstract]
coccidiosis, calves, incidence in relation to age

Age of host
Pavlicek, J.; and Dykova, I., 1976, Vet. Med., Praha, v. 49, v. 21 (6), 353-358
Ascaridia galli, chickens of different age groups, effectiveness of piperazine, tetramisole and metriphonate, metriphonate entirely ineffective; tissue reaction of host and number of worms as measures of effectiveness

Age of host
Picq, J. J.; and Roux, J., 1973, Medecine Trop., v. 33 (5), 451-461
Onchocerca volvulus, human, microfilaruria in relation to age and sex of host, other filarial diseases, geographic region, cutaneous microfilarial densities, albuminuria during suramin treatment, eggs of Schistosoma haematobium in urine, and diethylcarbamazine chemotherapy

Age of host
Pizarro, D.; et al., 1968, Bol. Chileno Parasitol., v. 23 (3-4), 121-124
human echinococcosis, survey of statistics of surgical cases of pleuropulmonary infections: Santiago, Chile

Age of host
Plasota, K., 1969, Acta Parasitol. Polon., v. 16 (1-19), 1968-1969, 47-60
helminths of frogs, comparison of aquatic and terrestrial hosts, relation of parasite fauna to environment, food supplies and food habits, host life cycle, temperature, rainfall, season, age and sex of host, competition between species of parasite, localization within host: Kampinos National Park, Poland

Age of host
Popov, V. N., 1976, Biol. Nauk., Min. Vyssh. i Sredn. Spetsial. Obrazovan. SSSR (145), year 19, (1), 49-53
Corynosoma spp., nematodes, age dynamics of infection of Histriophoca fasciata: northern shore of Okhotsk Sea from Lisiansk peninsula to Iamsk island

Age of host
Portaro, J. K.; Kowalski, J. C.; and Ash, L.R., 1977, Exper. Parasitol., v. 43 (1), 122-127
adaptation of Meriones unguiculatus lymphocytes to an in vitro microassay system, use in study of cellular immune function with mitogens, mitogen reactivity decreased with jird age and was depressed by infection with Brugia pahangi

Age of host
Pout, D. D., 1973, Brit. Vet. J., v. 129 (6), 555-567
coccidiosis, lambs, faecal oocyst production, relationship to host age, variation in pattern of initial infection and levels of subsequent burden

Age of host
Purnell, R. E.; et al., 1974, J. Comp. Path., v. 84 (4), 533-537
Theileria lawrencei Serengeti strain, comparative infectivity for cattle of stabilates derived from adult vs. nymphal Rhipicephalus appendiculatus

Age of host
Raibaut, A.; Ben Hassine, O. K.; and Prunus, G., [1976], Bull. Soc. Zool. France, v. 100 (4), 1975, 427-437
Ergasilus nanus, Mugil cephalus (gills), infestation dependent upon water temperature and salinity, parasite number increases with host size: lake Ischkeul, Tunisia

Age of host
Rajamanickam, C., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (1), 132 [Demonstration]
Babesia argentina infection in 10-day-old calf (blood, brain, spleen) born to cow recently imported from Australia: Malaysia

Age of host
Rajasekariah, G. R.; and Howell, M. J., 1977, Internat. J. Parasitol., v. 7 (2), 119-121
Fasciola hepatica, effects of different doses of metacercariae and of host age on parasite establishment in rats, neither crowding effect nor competitive inhibition occurred, factors involved in age resistance develop at about 10 weeks of age

Age of host
Rajagopalan, P. K.; Kazmi, S. J.; and Mani, T. R., 1977, Indian J. Med. Research, v. 66 (2), 200-215
Wuchereria bancrofti, statistical epidemiologic survey on microfilaremia (seasonal fluctuation of infection in Culex pipiens fatigans vectors, localization in vectors, human infection by age and sex, microfilarial periodicity, percentage of night biting, experimental laboratory infections): Pondicherry, India

Age of host
Ramachandran, C. P.; et al., 1971, Med. J. Malaya, v. 25 (4), 273-277
survey of workers on rubber plantation for evidence of Brugia malayi filariasis: Negeri Sembilan, West Malaysia

Age of host
Ramirez, R., 1976, Bol. Chileno Parasitol., v. 31 (1-2), 8-11
Echinococcus granulosus, statistical survey of human cases of echinococcosis registered from 1970-1974 in Chile

Age of host
Ramirez, R.; et al., 1972, Bol. Chileno Parasitol., v. 27 (3-4), 116-118
survey for human intestinal parasites in various zones of Chile

Age of host
Rawson, M. V., jr., 1976, J. Fish Biol., v. 9 (2), 185-194
monogenean trematodes, development in Mugil cephalus, seasonal distribution, intensity of infection, parasite number increases with host age: spartina marsh drainages, Sapelo Island, McIntosh County, Georgia

Age of host
Raynaud, J.-P.; and Bouchet, A., 1976, Ann. Recherches Vet., v. 7 (3), 253-280
bovine ostertagiosis, analysis of types and syndromes, total worm counts, post mortem examinations, survey of 74 cattle: France

Age of host
Reid, J. F. S., 1976, Vet. Rec., v. 98 (25), 496-499
gastrointestinal nematodes, coccidiosis, diarrhea of sheep, age and seasonal factors: Britain

Age of host
Reyes, H.; Doren, G.; and Inzunza, E., 1972, Bol. Chileno Parasitol., v. 27 (1-2), 23-29
survey of prevalence of human taeniasis, frequency of infection by different spp., increasing incidence of T. solium suggests consumption of unsanitary pork: Santiago, Chile

Age of host
Ricciardi, I. D.; Sandoval, E. F. D.; and Mayrink, W., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (5-6), 516-517
Toxoplasma gondii, human prevalence survey, distribution by age: Brazil

Age of host
Richards, C. S., 1977, Exper. Parasitol., v. 42 (1), 165-168
Schistosoma mansoni, susceptibility reversal with age in Biomphalaria glabrata

Age of host
Rickard, M. D.; Coman, B. J.; and Cannon, R.M., 1977, Vet. Parasitol., v. 3 (1), 1-9
Taenia pisiformis, dogs, demonstration of age resistance but not of acquired immunity

Age of host
Rifaat, M. A.; et al., 1976, J. Trop. Med. and Hyg., v. 79 (3), 67-70
seroepidemiolgoic survey of stray cats for Toxoplasma gondii antibodies and role in epidemiology of human infection, no cross-immunity with Isospora spp. in relationship study, high percentage of cats surveyed shedding oocysts in feces: Cairo, Egypt

Age of host
Ringelhann, B.; et al., 1976, Am. J. Hum. Genet., v. 28 (3), 270-279
possible relationships between hemoglobin types and human malarial infection rate, parasite species, parasite density, host age and sex; correlations with transplacental and passive immunity

Age of host
Robinson, M. J.; and Eykyn, S., 1977, Brit. Med. J. (6103), v. 2, 1667 [Letter]
childhood malaria, increasing incidence with increased travel to and from endemic areas, diagnostic problem in children: United Kingdom

Age of host
Rougemont, A.; et al., 1974, Medecine Trop., v. 34 (1), 29-36
prevalence of intestinal helminths in adult population of 3 native villages, usefulness of Kato "thick smear" technique for mass epidemiologic surveys (Hymenolepis nana; Trichuris trichiura; Ascaris lumbricoides; Enterobius vermicularis; Schistosoma mansoni): all from Bamako area, Mali

Age of host
Ruegamer, W. R. ; and Phares, C. K., 1974, Proc. Soc. Exper. Biol. and Med., v. 146 (3), 698-702
Spirometra mansonoides, determination of age at which rats (exper.) show growth response to infections with plerocercoids, results show that slowly-growing intact female rats (96-133 days old) can be made to grow faster than uninfected controls and that they utilize their food more efficiently for growth, similar preliminary findings in infected males

Age of host
Ruiz-Tiben, E.; Cox, P. M.; and Greenberg, E. R., 1973, Ann. Trop. Med. and Parasitol., v. 67 (3), 341-348
Schistosoma mansoni, human, skin test interpretation, derivation of simplified objective criteria based upon frequency distributions of antigen and control wheal sizes by age and sex: Puerto Rico

Age of host
Rukmono, B.; Naumar, S. A.; and Talogo, R. W., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (2), 249-255
Ascaris lumbricoides, Entamoeba histolytica, Giardia lamblia implicated as possible pathogens in survey of infantile diarrhea in a population of low socio-economic group in Djakarta, Indonesia

Age of host
Rutter, N., 1977, Brit. Med. J. (6098), v. 2, 1335-1336
malaria infections in children born and living in non-malarious areas who have contracted infections upon visiting malarious areas with their immigrant parents who possibly have some natural immunity to malaria although their children do not, importance of diagnostic awareness: Nottingham, England

Age of host
Rybnikar, A., 1975, Acta Vet. Brno, v. 44 (4), 385-391
Dictyocaulus filaria, experimentally infected lambs used as donors for obtaining larvae for preparation of radiation vaccine; amount of larvae excreted dependent upon body mass and age of lambs, total dose of larvae and season of infestation

Age of host
Saathoff, M.; and Dogba, C., 1974, Tropenmed. u. Parasitol., v. 25 (4), 401-404
Toxoplasma gondii, prevalence of infection in juveniles and adults determined by Sabin Feldman dye test: south Togo

Age of host
Samuel, W. M.; Barrett, M. W.; and Lynch, G. M., 1976, Canad. J. Zool., v. 54 (3), 307-312
helminths of Alces alces, 3 study areas, differences in parasite prevalence due to fauna and ecology of habitat and age of host: Alberta, Canada

Age of host
Sankale, M.; Diop, B.; and Diouf, S., 1970, Medecine Afrique Noire, v. 17 (6), 467-477
statistical review of 223 cases of hepatic amoebiasis: Dakar

Age of host
Saul, K. W.; and Kreier, J. P., 1977, Tropenmed. u. Parasitol., v. 28 (3), 302-318
Plasmodium berghei-infected rats (exper.), immunization with antigens of a sonically freed preparation of erythrocytic parasites rich in merozoites, evaluation in rats of 3 age groups and of vaccine with and without adjuvants, freeze-thawed freed parasites did not lose antigenicity when stored up to 2 weeks

Age of host
Schantz, P. M.; et al., 1976, Tropenmed. u. Parasitol., v. 27 (1), 70-78
significance of infectivity survey of domestic animals and wild carnivores as potential reservoir hosts of Echinococcus granulosus in Argentina, host-induced morphologic variations

Age of host
Schawalder, P., 1976, Schweiz. Arch. Tierh., v. 118 (5), 203-216
parasite fauna of dogs, epidemiological and ecological parameters (resistance in relation to age, seasonal distribution in relation to ecological factors): Bern area, Switzerland

Age of host
Schenone, H.; et al., 1972, Bol. Chileno Parasitol., v. 27 (1-2), 2-6
scabies, human, results of epidemiologic survey of increasing incidence, prophylactic measures instituted by public health authorities, mass treatment with lindane emulsion: Santiago, Chile

Age of host
Schenone, H.; et al., 1972, Bol. Chileno Parasitol., v. 27 (3-4), 103-107
Trichinella spiralis, humans, prevalence survey, evidence of increasing infection: Chile

Age of host
Schenone, H.; et al., 1973, Bol. Chileno Parasitol., v. 28 (1-2), 31-33
Pediculus humanus capitis, statistics of human infestation, lindane treatment unsuccessful, personal hygiene more important: Chile

Age of host
Schock, R. C., 1976, Mod. Vet. Pract., v. 57 (3), 181-184
gastrointestinal nematodes, cattle, level of parasitism, pasture conditions, nutrition and age of host, seasonal influences

Age of host
Schweisgut, I., 1975, Untersuchungen uber den Endoparasitenbefall des Rotwildes im Nationalpark Bayerischer Wald in den Jagdjahren 1973/74 und 1974/75, 70 pp.
survey of helminths in [Cervus elaphus], comments on incidence in relation to season and age and sex of host: Nationalpark Bayerischer Wald

Age of host
Sebai, Z. A.; and Morsy, T. A., 1976, J. Trop. Med. and Hyg., v. 79 (4), 89-91
statistics of prevalence survey of human cutaneous leishmaniasis in Bisha region, Saudi Arabia

Age of host
Selman, I. E.; et al., 1976, Vet. Rec., v. 99 (3), 141-143
Ostertagia ostertagi, outbreaks of ostertagiasis affecting adult beef cattle, clinical, biochemical, haematological, parasitological and pathological findings characteristic of type II ostertagiasis in immature cattle, diagnosis

Age of host
von Seyerl, F.; and Brunner, S., 1972, Munchen. Med. Wchnschr., v. 114 (39), 1641-1642
human acquired toxoplasmosis, statistics of lymphatic system involvement

Age of host
Shepherd, R. C. H.; and Edmonds, J. W., 1977, J. Austral. Entom. Soc., v. 16 (3), 237-244
Leporacarus gibbus, Cheyletiella parasitivorax, and Haemodipsus ventricosus on Oryctolagus cuniculus, infestation rates, seasonal variation, sex ratios of Leporacarus gibbus, age and sex of host: Victoria

Age of host
Shettigara, P. T.; Choi, N. W.; and Abu-Zeid, H. A. H., 1976, Am. J. Epidemiol., v. 104 (3), 340 [Abstract]
prevalence survey of prenatal sera for presence of Toxoplasma antibodies and correlation of findings with ethnic origins, socioeconomic status and climatic differences: Manitoba Province

Age of host
Shiff, C. J.; and Yiannakis, C., 1976, Am. J. Trop. Med. and Hyg., v. 25 (3), 427-431
schistosomiasis, human, prevalence measured by parasitological examination and by fluorescent antibody titering, correlation detected between mean titer and prevalence of infection particularly in younger people, suggested that fluorescent antibody titrating may be useful epidemiological tool: Rhodesia

Age of host
Siddiqui, M. A.; and Kershaw, W. E., 1976, Ann. Trop. Med. and Parasitol., v. 70 (3), 313-322
Litomosoides carinii, laboratory transmission to Delhi and Carworth strains of Rattus norvegicus, relationships between transmission intensity and worm recovery, possible age resistance

Age of host
Siongok, T. K. A.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (2), 273-284
Schistosoma mansoni, cross-sectional study of entire community in endemic area, prevalence and intensity of infection (as determined by quantitative egg counts) correlated with morbidity (as determined by standard medical examination): village of lower Nduu, Machakos, Kenya

Age of host
Slonka, G. F.; et al., 1977, J. Parasitol., v. 63 (2), 377-383
Pediculus humanus capitis, human, epidemic in public schools, sex, age, race, socioeconomic status, crowding, method of closeting garments, and family size influenced distribution of pediculosis but hair length apparently was not a factor, poverty and ignorance appeared to contribute to persistence of infestation: Buffalo, New York

Age of host
Smychkov, A. S., 1976, Sborn. Nauch. Rabot. SibNIVI, Sibirsk. Nauchno-Issled. Vet. Inst. (26), 129-134
Moniezia expansa, M. benedeni, Thysaniezia giardi, pastured sheep, long-term treatment with a mixture of copper sulfate-phenothiazine salt, influence of host age and seasonal distribution on incidence and intensity of infection

Age of host
Sornmani, S.; et al., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (3), 365-374
Schistosoma japonica, extensive epidemiologic survey of endemic area of Khong Island, lower Mekong Basin, Southern Laos

Age of host
Sornmani, S.; Vivatanasesth, P.; and Thirachantra, S., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 270-281
human Mekong schistosomiasis, clinical aspects, pathologic findings, age and sex factors: Khong Island, Southern Laos

Age of host
Soyka, E., 1977, Praxis, Bern, v. 66 (34), 1074-1079
Trichomonas vaginalis, survey of infections in children 2-15 years of age, clinical management with tinidazole

Age of host
Stagno, S.; and Thiermann, E., 1970, Bol. Chileno Parasitol., v. 25 (1-2), 16-21
Toxoplasma gondii, prevalence survey of children 6 years old and under for presence of antibodies, importance of consideration of acquired toxoplasmosis in differential diagnosis of childhood diseases: Santiago, Chile

Age of host
Stannard, A. A.; and Cello, R. M., 1975, Am. J. Vet. Research, v. 36 (7), 1029-1031
Onchocerca cervicalis, horses, prevalence, more common in older animals, occurred in both sexes equally, distribution and concentration of microfilariae within skin, cutaneous pathologic changes, invasion of eye with microfilariae in 60% of cases

Age of host
Stern, M. S.; and MacKenzie, R. G., 1975, Med. Clin. North Am., v. 59 (6), 1395-1405
Trichomonas vaginalis, minor venereal disease in adolescents, brief clinical review

Age of host
Stoimenov, K., 1976, Vet. Med. Nauki, v. 13 (7), 48-54
Heterakis gallinarum, chickens, parasite survival rate and pathogenicity increased by lower dose of infection and in 3-4 month old hosts; effects of blood factors; more female worms in older birds

Age of host
Straka, S.; et al., 1977, Ceskoslov. Epidemiol., Mikrobiol., Imunol., v. 26 (1), 52-60
tapeworms, human, epidemiological analysis, geographical distribution, sex, age, social structure, occupation and clinical symptoms; transmission by raw meat, efficacy of anthelmintics: Slovak Socialist Republic

Age of host
Stromberg, P. C.; and Crites, J. L., 1974, J. Wildlife Dis., v. 10 (4), 352-358
Triaenophorus nodulosus, white bass, prevalence of infection increases with size and age of host, pathological changes: western Lake Erie

Age of host
Stuht, J. N., 1975, J. Wildlife Dis., v. 11 (2), 256-262
Trypanosoma [sp.] in Odocoileus virginianus and Cervus canadensis, morphology, higher incidence in older deer: Michigan

Age of host
Subramanian, G.; and Singh, K. S., 1973, Isotopes and Radiation Parasitol. III, 67-71
Ascaridia galli, one-week old chicks, attempted immunization with irradiated vs. normal eggs

Age of host
Sucharit, S.; and Macdonald, W. W., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (1), 71-77
Brugia pahangi, rats (exper.), selection program in which rats susceptible to infection were selectively bred, increase in microfilaria rate by F4 generation, resistance to infection in older male rats seemed to be reduced

Age of host
Suenaga, O.; Itoh, T.; and Nishioka, T., 1971, Nettai Igaku (Trop. Med.), v. 12 (4), 169-178
Dirofilaria immitis, prevalence survey in domestic dogs, seasonal distribution: Nagasaki City, Japan

Age of host
Suenaga, O.; Kamahara, H.; and Shibata, M., 1974, Nettai Igaku (Trop. Med.), v. 16 (2), 95-101
Dirofilaria immitis in house dogs, prevalence survey for microfilariae in peripheral blood: Omura City, Japan

Age of host
Sullivan, J. J.; and Chernin, E., 1976, Internat. J. Parasitol., v. 6 (1), 75-78
Brugia pahangi and Dipetalonema viteae compared, differences in oral vs. subcutaneous infection of anaesthetized vs. unanaesthetized adult vs. neonatal Meriones unguiculatus

Age of host
Sweeting, R. A.; and Powell, A., 1977, Parasitology, v. 75 (2), xxxviii [Abstract]
Tylodelphys podicipina as a possibly important factor in perch mortality, fluke burden decreases with increased age of host (as opposed to T. clavata and Diplostomum spathaceum which increase with host age) probably because of selective mortality operating against infected hosts: England

Age of host
Talathi, S. B.; Joshi, N. C.; and Sood, S. R., 1973, Pediat. Clin. India, v. 8 (4), 213-214
Plasmodium vivax malaria in neonate following exchange transfusion for Rh incompatibility, successful treatment with amodiaquin, clinical case report, suggested control measures: Bombay, India

Age of host
Tan, D. S. K.; and Zaman, V., 1973, Med. J. Malaysia, v. 27 (3), 188-191
statistical survey for prevalence of Toxoplasma gondii antibodies in inhabitants of West Malaysia

Age of host
Tareen, I. U., 1976, Internat. Rev. Ges. Hydrobiol., v. 61 (5), 699-702
Cercaria orospinosa in Melanopsis praemorsa (hepatopancreas), infestation correlated with snail size and strength of water current, seasonal distribution: Savanda stream, Turkey

Age of host
Tarter, D. C.; and Joy, J. E., 1976, Tr. Am. Micr. Soc., v. 95 (2), 237-240
Neascus rhinichthysi infesting Rhinichthys atratulus subspp., incidence and intensity, age and sex of host: West Virginia

Age of host
Telch, J.; Vega Franco, L.; and Lara, R., 1974, Bol. Med. Hosp. Inf., v. 31 (4), 733-746
intestinal parasites, children 6 years old and under, 1-year survey of out-patients, statistical evaluation: Mexico

Age of host
Terragna, A., 1975, Paediatrician, v. 4 (2-3), 138-154
Toxoplasma gondii in children, present perspectives, extensive review (biology, epidemiology, life cycle, clinical aspects, diagnosis, fine structure, therapy)

Age of host
Theis, J. H.; et al., 1976, J. Med. Entom., v. 13 (1), 26-39
Rhipicephalus sanguineus feeding on dog, inflammation area, changes in flow rate of cells and total protein content of draining lymph, age and size of dogs, importance in disease transmission

Age of host
Thomas, V.; and Dissanaike, A. S., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 602-606
Plasmodium spp., detection of malaria endemicity among Orang Asli aborigines using Plasmodium falciparum and P. brasilianum antigens and indirect fluorescent antibody test (IFA), age dependent increase in number of positive results, IFA valuable as adjunct to blood slide examination especially when parasites are at very low levels: Malaysia

Age of host
Tizard, I. R.; Chauhan, S. S.; and Lai, C. H., 1977, J. Hyg., Cambridge, v. 78 (2), 275-282
Toxoplasma gondii, epidemiologic survey, prevalence of antibodies in human serum, inverse relationship between urban size and infection prevalence: Province of Ontario, Canada

Age of host
Tizard, I. R.; Fish, N. A.; and Quinn, J. P., 1976, J. Hyg., Cambridge, v. 77 (1), 11-21
extensive survey of human serum for presence of antibodies to Toxoplasma gondii and observations on probable epidemiology: Canada

Age of host
Torres, P.; Figueroa, L.; and Navarrete, N., 1972, Bol. Chileno Parasitol., v. 27 (1-2), 52-55
Trichostrongylus spp. survey in humans, morphological differentiation for diagnosis: Chile

Age of host
Truong-Minh-Ky, D.; et al., 1976, Medecine Afrique Noire, v. 23 (4), 215-223
Plasmodium malariae, Plasmodium falciparum, survey of village infants for presence of malarial antibodies: Abidjan

Age of host
Tsimbaliuk, A. K.; Kulikov, V. V.; and Baranova, T. I., 1968, Gel'mint. Zhivot. Tikhogo Okeana (Skriabin), 125-128
Microphallus calidris, cercariae and marita, description, degree of infection among age groups of mollusc (Littorina kurila): Paramushir Island

Age of host
Turner, B. C.; and Threlfall, W., 1975, Proc. Helminth. Soc. Washington, v. 42 (2), 157-169
parasites of Anas crecca and A. discors, incidence and intensity, age and sex of host: eastern Canada

Age of host
Turner, H. M.; and McKeever, S., 1976, Internat. J. Parasitol., v. 6 (6), 483-487
Taenia taeniaeformis, development of refractory responses in Mus musculus (White Swiss strain) from 10th to 100th day postpartum, gut and liver phases of infection compared histologically

Age of host
Upatham, E. S.; Sturrock, R. F.; and Cook, J. A., 1976, Parasitology, v. 73 (3), 253-264
Schistosoma mansoni, human, simple standardized hatching test used to estimate egg hatching rate in relation to host age, sex, and intensity of infection, implications for epidemiology and for use in assessing drug efficacy: St. Lucia, West Indies

Age of host
Urcelay, S.; Correa, J.; and Rudolph, W., 1973, Bol. Chileno Parasitol., v. 28 (1-2), 6-9
Babesia equi, B. caballi, serological survey of incidence of equine piroplasmosis in race horses: breeding farms, Santiago Province, Chile

Age of host
Utterback, W. W.; et al., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 3-11
Anaplasma marginale, cattle, prevalence with respect to breed, sex, age, management practices, and ecologic factors: Northern California

Age of host
Vedy, J.; Sirol, J. C.; and Coulm, J., 1972, Medecine Trop., v. 32, Special number, 403-409
human onchocerciasis infection of retina resulting in white degenerating intra-retinal spots, only young people affected, no functional impairment

Age of host
Vilimszky, Z., 1971, Parasitol. Hungar., v. 4, 65-71
human taeniasis, epidemiologic survey covering 1961-1970, suggested control measures: County Borsod, Hungary

Age of host
Villegas-Gonzalez, J.; and Fastag de Shor, A., 1974, Bol. Med. Hosp. Inf., v. 31 (1), 35-49
Entamoeba histolytica, children, invasive amoebiasis, pathologic review of autopsies; comparison axenic and monoxenic cultures, multiple enzymes present, relationship between acid phosphatase and invasive capacity of parasite

Age of host
Visco, R. J.; Corwin, R. M.; and Selby, L. A., 1977, J. Am. Vet. Med. Ass., v. 170 (8), 835-837
intestinal parasites of dogs, prevalence, effect of host age, sex and neutering: Univ. Missouri Vet. Teaching Hospital

Age of host
Volokh, A. M.; and Samarskii, S. L., 1977, Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool. (3), 89-90
Stichorchis subtriquetus, Travassosius rufus, incidence in relation to sex and age of host [Castor fiber]: Middle Dnieper area

Age of host
Waldeland, H., 1977, Acta Vet. Scand., v. 18 (1), 91-97
Toxoplasma gondii, sheep flocks, reproductive loss in specific age groups, apparently no transmission between sheep, probably transmitted by silage

Age of host
Waldeland, H., 1977, Acta Vet. Scand., v. 18 (2), 227-236
Toxoplasma, four breeding flocks of sheep, long-term (3-6 years) epidemiological studies, abnormal reproductive performance, increased prevalence with age, higher incidence in lowland pastures than in mountain pastures, lower incidence in summer than in winter: Norway

Age of host
Wallace, G. D., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 48-53
Toxoplasma gondii, human, prevalence of dye-test antibody in relation to host age and ethnic group, generally high except for people of Japanese ancestry living in Hawaii and for aborigines and ethnic Chinese living in Taiwan: Pacific Islands

Age of host
Walzer, P. D.; et al., 1976, National Cancer Inst. Monograph (43), 65-74
Pneumocystis carinii, survey of 51 cases over 3-year period in children under 5 years of age, association with primary immune deficiency diseases in 25 cases, striking occurrence in families, defects in both humoral and cellular immunity appear to be operative

Age of host
Wandera, J. G., 1976, Vet. Rec., v. 99 (18), 348-351
Spirocerca lupi, dogs, incidence, pathological variations, oesophageal sarcomas, age of host, site of incidence, 11 year period: Kenya

Age of host
Weinmann, C. J.; et al., 1973, J. Wildlife Dis., v. 9 (3), 213-220
Wehrdikmansia cervipedis, Elaeophora schneideri, Setaria yehi, prevalence of infection in various age classes of Ococoileus hemionus columbianus: northern California

Age of host
Weinstock, H.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, part 1), 1148-1152
Wuchereria bancrofti, epidemiological survey, microfilaremia rates, distribution by age, sex, and race, public health importance, larvae found in Culex pipiens fatigans: Puerto Limon, Costa Rica

Age of host
Wiger, R., 1971, Norwegian J. Zool., v. 19 (1), 83-87
Trypanosoma sp. from Lemmus lemmus, description, incidence, age of host; unable to experimentally infect Microtus oeconomus: More-Romsdal county, Norway

Age of host
Wijers, D. J. B., 1977, Ann. Trop. Med. and Parasitol., v. 71 (3), 313-331
bancroftian filariasis, humans, extensive prevalence survey of adult males for microfilaremia and pathologic evidence of infection: Coast Province, Kenya

Age of host
Wilkins, H. A., 1977, Ann. Trop. Med. and Parasitol., v. 71 (1), 53-58
human Schistosoma haematobium, statistics of epidemiologic survey for prevalence and intensity of infection in native community in laterite plateau area of McCarthy Island Division, The Gambia

Age of host
Wilkins, H. A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 294 [Demonstration]
Schistosoma haematobium, egg counts in children under 10 varied with season suggesting that worm burdens are influenced both by protective immunity and patterns of water contact

Age of host
Wilkins, H. A.; and Capron, A., 1977, Ann. Trop. Med. and Parasitol., v. 71 (2), 186-195
Schistosoma haematobium in Gambian community, relation of antibody levels to age (indirect fluorescent antibody and indirect haemagglutination tests), seasonal changes in antibody level, relation of antibody to subsequent changes in egg output, results suggest that serologic parameters may have some relationship to protective immunity and immune response should be considered as factor in epidemiologic studies

Age of host
Wilson, R. J. M.; et al., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 308-312
Plasmodium falciparum, human, precipitating antibody response to malarial S-antigens, age distribution, other factors affecting production and detection of such antibodies: The Gambia

Age of host
Wilson, R. J. M.; and Pasvol, G., 1977, J. Protozool., v. 24 (2), Suppl., 4A-5A [Abstract]
Plasmodium falciparum, distribution and growth compared in human red blood cells containing adult vs. fetal hemoglobins, results suggest that young metabolically active cells may be preferentially invaded but that parasite growth was impaired in fetal cells, this may be an important protective mechanism for both fetus and newborn

Age of host
Wilson, V.C.L.C., 1975, J. Protozool., v. 22 (3), 57A-58A [Abstract]
visceral leishmaniasis, epidemiological survey: Kacheliba area, north-west Kenya

Age of host
Winters, J. B.; and Worley, D. E., 1975, Am. J. Vet. Research, v. 36 (3), 327-329
Dictyocaulus viviparus, occurrence in beef cattle of various age groups, seasonal cycle, potential role of wild ruminants in epizootiology of lungworms: Park, Gallatin, and Ravalli counties, western Montana

Age of host
Wiroreno, W., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (1), 136-138
helminth parasites of Rattus rattus diardi, prevalence survey: Bogar, West Java, Indonesia

Age of host
Wissler, K.; and Halvorsen, O., 1976, Norwegian J. Zool., v. 24 (4), 462-463 [Abstract]
Elaphostrongylus rangiferi, reindeer (feces), seasonal distribution, age of host: north Scandinavia

Age of host
Wyatt, G. B., 1971, Ann. Trop. Med. and Parasitol., v. 65 (4), 513-523
onchocerciasis, human, prevalence, age and sex rates, microfilaremia, subcutaneous nodules, symptoms, skin changes, visual acuity, corneal opacities, hemoglobin genotype, entomology: Ibarapa, Western State, Nigeria

Age of host
van Wyk, J. A.; van Rensburg, L. J.; and Heitmann, L. P., 1976, Onderstepoort J. Vet. Research, v. 43 (2), 43-54
Schistosoma mattheei, Merino and Dorper sheep (exper.), influence of host age and breed on infestation (host susceptibility, cercarial penetration and development to adults, distribution of worms in host, worm sex ratio, egg excretion); variation in cercarial infectivity

Age of host
Yang, J.; and Scholten, T., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 16-22
Dientamoeba fragilis in humans, extensive epidemiologic survey, pathology, fecal examination diagnostic methods, periodicity, frequent occurrence in presence of Enterobius vermicularis suggests possibility of helminths as vectors: Toronto, Canada

Age of host
Yazwinski, T. A.; and Gibbs, H. C., 1975, Am. J. Vet. Res., v. 36 (11), 1677-1682
helminth infections, survey, dairy cattle of various age groups, seasonal worm population dynamics, relation of farm management practices to degree of parasitism: Maine

Age of host
Yii, C. Y.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 447-454
epidemiologic characteristics of human eosinophilic meningitis and meningoencephalitis probably caused by Angiostrongylus cantonensis being inadvertently ingested during preparation of snails for consumption: Taiwan

Age of host
Yousif, F.; and Laemmler, G., 1975, Ztschr. Parasitenk., v. 47 (3), 191-201
Angiostrongylus cantonensis, factors influencing infectivity of first stage larvae to Biomphalaria glabrata, size of snails, number of larvae, age of larvae, individual or mass exposure, length of exposure, temperature, light

Age of host
Zaprianov, M., 1976, Vet. Med. Nauki, v. 13 (5), 78-83
Eimeria spp. of domestic Alectoris graeca cypriates (feces), highest incidence in birds up to two months of age and in May-June

Age of host
Zeni Junior, J.; Goncalves, A. V.; and Gomes, C. V., 1974, Tribuna Farm., Curitiba, v. 42 (1-2), 52-56
human, incidence of enteroparasites, overall incidence by age and sex, comparison of agricultural settlement in Ribeira river valley with Foz do Iguacu, Morretes and Lapa: state of Parana

Age of parasite
Andersen, K., 1973, Norwegian J. Zool., v. 21 (4), 341-350
Diphyllobothrium dendriticum plerocercoids in Mesocrisetus auratus, Larus canus, and Alopex lagopus (exper. in all), frequency of primary vs. secondary strobilae in relation to host, age of worms, and density of infection compared with D. latum in M. auratus and A. lagopus and D. ditremum in M. auratus, primary strobilae appear in some individuals in response to unfavorable conditions; regeneration and/or growth studies show that rounded posterior segment in young D. dendriticum is not necessarily posterior 'end' of plerocercoid

Age of parasite
Anderson, R. M.; Whitfield, P. J.; and Mills, C. A., 1977, J. Animal Ecol., v. 46 (2), 555-580
Transversotrema patialense, cercariae and adults, population dynamics under laboratory conditions: survival, effects of aging and density on infectivity, immigration-death experiments (measure of host resistance as factor)

Age of parasite
Arfaa, F.; and Ghadirian, E., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 866-871
Ascaris lumbricoides, statistics of epidemiologic survey and mass therapy using pyrantel pamoate in 6 rural villages in central Iran

Age of parasite
Beveridge, I.; and Rickard, M. D., 1976, Internat. J. Parasitol., v. 6 (1), 55-59
Taenia pisiformis in rabbits (exper.), growth and development of rostellar hooks, hook differentiation and size related to age of cysticerci, ability to resist effects of digestive enzymes in vitro, and ability to infect dogs, variability in hook sizes attributable to external influences suggests caution in use of hook lengths as taxonomic characters

Age of parasite
Bone, L. W.; et al., 1977, Exper. Parasitol., v. 42 (1), 82-86
Nippostrongylus brasiliensis, pheromone production and response, effect of parasite age, time of day periodicity not demonstrated

Age of parasite
Bristol, J. R.; and Canaris, A. G., 1977, J. Parasitol., v. 63 (5), 940-941
Brachylaime microti, in vitro oxygen consumption, effects of age, exogenous glucose, and cyanide

Age of parasite
Coelho, P. M. Z.; et al., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (2), 161
Schistosoma mansoni, migration of schistosomula collected from hamsters and inoculated intraperitoneally into mice, decreased migratory capacity with increased larval age

Age of parasite
Coman, B. J.; and Rickard, M. D., 1977, Internat. J. Parasitol., v. 7 (1), 15-20
Taenia pisiformis eggs, ageing process, 4 stages with varying ability to hatch and to infect and develop in rabbits, comparison of in vitro and in vivo estimates of viability, failure of 'senescent' eggs to produce immunity to challenge infection

Age of parasite
Crystal, M. M., 1977, Ann. Entom. Soc. Am., v. 70 (5), 702-706
Cochliomyia hominivorax, fly vigor measured by the flight mill technique, flight performance greater in females than males, linear correlation between age of flies and percentage of individuals with partial or complete loss of wings

Age of parasite
Crystal, M. M.; and Ramirez, R., 1975, J. Med. Entom., v. 12 (4), 423-425
Cochliomyia hominovorax, males and females, chemosterilization with N,N'tetramethylenebis (1-aziridinecarboxamide), less chemosterilant required with increasing age, survival per given dose independent of age when treated

Age of parasite
Davies, R. W.; and Everett, R. P., 1977, Canad. J. Zool., v. 55 (3), 620-627
Nephelopsis obscura, life history, growth and age structure related to seasonal changes, seasonal population movements from deep-water zone to shore zone; no direct correlation between cocoon production and water temperature: Newsome Pond and Jail Pond, Alberta, Canada

Age of parasite
Desowitz, R. S.; Barnwell, J. W., 1976, Ann. Trop. Med. and Parasitol., v. 70 (4), 475-476
Plasmodium berghei very young forms, deep vascular sequestration in heart and kidney of white rat equal to or greater than that in bone marrow, lung, liver, and spleen; hitherto unrecorded site of schizont concentration in lung

Age of parasite
Faubert, G. M., 1976, Immunology, v. 30 (4), 485-489
Trichinella spiralis, depression of plaque-forming cells to sheep red blood cells by new-born larvae in vivo (mice) and in vitro, transitory phenomenon

Age of parasite
Heller, G.; and Weise, R. W., 1973, J. Protozool., v. 20 (1), 61-64
Gregarina sp. from Udeopsylla nigra, scanning electron microscopy, patterns of epicytic folds in old vs. young gamonts, relationship to motility and development

Age of parasite
Henderson, D., 1977, Parasitology, v. 75 (3), 277-284
Hymenolepis diminuta, in vitro rate of absorption of glucose/unit dry weight of worm falls with increasing worm age, with increasing worm weight, and with increasing infection density

Age of parasite
Hermoso Yanez, R.; and Monteoliva Hernandez, M., 1973, Rev. Iber. Parasitol., v. 33 (2-3), 427-437
Ascaris lumbricoides, perivisceral fluid, glucose and trehalose content apparently independent of maturity of parasite or nutritive state of swine host

Age of parasite
Hipeau-Jacquotte, R., 1977, Marine Biol., v. 44 (1), 57-63
Pachypygus gibber, pelagic larvae, phototropic reactions (threshold reaction, orientation towards light, speed and form of motility) based on age and stage of parasite

Age of parasite
Hopkins, D. E.; and Chamberlain, W. F., 1976, Southwest Entom., v. 1 (3), 114-117
Haematobia irritans, exposure of egg, larval, and pupal stages to manure of diflubenzuron treated cattle, inhibited development during early part of 3rd instar

Age of parasite
Howard, R. J., 1977, Parasitology, v. 75 (2), 241-249
Hymenolepis microstoma, change in worm susceptibility to host's resistance with increasing age of parasite suggested by experiments with worm growth in primary and secondary infection, with worms transplanted into naive or resistant mice, and with cortisone treatment of hosts

Age of parasite
Humiczewska, M., 1975, Folia Histochem. et Cytochem., v. 13 (1-2), 37-50
Fasciola hepatica, miracidium, dehydrogenase activity, differences in occurrence and intensity depending on age of larvae, oxidative pathways

Age of parasite
Humiczewska, M., 1975, Folia Histochem. et Cytochem., v. 13 (1-2), 51-60
Fasciola hepatica, sporocysts in various stages of development, oxidase and dehydrogenase activity in various tissues, metabolic pathways

Age of parasite
Humiczewska, M., 1975, Folia Histochem. et Cytochem., v. 13 (3-4), 161-174
Fasciola hepatica, rediae in various stages of development, oxidases and dehydrogenases in various tissues, metabolic pathways

Age of parasite
Humiczewska, M., 1975, Folia Histochem. et Cytochem., v. 13 (3-4), 213-229
Fasciola hepatica, cercariae in various stages of development, metacercariae, oxidases and dehydrogenases in various tissues, metabolic pathways

Age of parasite
Kabil, S. M., 1976, J. Trop. Med. and Hyg., v. 79 (9), 205-206
Schistosoma mansoni adult female, mouse (exper.) host complement detected in parasite tegument

Age of parasite
Lawson, J. R., 1977, Parasitology, v. 75 (2), xi-xii [Abstract]
Schistosoma mansoni cercariae, survival in relation to environmental temperature, activity pattern, infectivity, glycogen content

Age of parasite
Madden, P. A.; and Tromba, F. G., 1976, J. Parasitol., v. 62 (2), 265-271
Ascaris suum adults of known ages recovered from pigs experimentally infected with eggs from the same stock, variation in number, size, and shape of lip denticles, concluded that denticles are functional and become worn through use

Age of parasite
Mason, P. R.; and Fripp, P. J., 1976, J. Parasitol., v. 62 (5), 721-727
Schistosoma mansoni, miracidial movement in relation to age, temperature, pH, light intensity, light shock, and snail-conditioned water, dark-ground photographic technique

Age of parasite
Matthews, B. E.; and Croll, N. A., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 608 [Letter]
Ancylostoma tubaeforme, no consistent trends established between 'biological performance' of larvae and age of adult parasites

Age of parasite
Mikacic, D., 1973, Acta Parasitol. Iugoslavica, v. 4 (1), 25-26
Fasciola hepatica, growth in rabbits (exper.), size not reliable criterion for estimating age without large number of specimens

Age of parasite
Milbrink, G., 1975, Rep. (54) Inst. Freshwater Research Drottningholm, Sweden, 36-51
Caryophyllaeus laticeps, seasonal incidence, ages of parasite and worm burden in bream; estimating host diet of intermediate hosts from parasite incidence; C. laticeps incidence in relation to Ligula intestinalis incidence

Age of parasite
Mills, C. A., 1976, Parasitology, v. 73 (2), vi-vii [Abstract]
Transversotrema patialense, survival and fecundity on Brachydanio rerio (exper.), age-dependent but not density-dependent, temperature optimum at 23°C., survival reduced on small hosts, growth in size of adult fluke

Age of parasite
Monteoliva Hernandez, M., 1973, Rev. Iber. Parasitol., v. 33 (4), 599-606
Ascaris, motility studies in vitro, motility longer with glucose than when fasting; longer at 25° C than at 37° C; younger worms more active than mature ones

Age of parasite
Monteoliva, M.; Benito, M.; and Hermoso, R., 1973, Rev. Iber. Parasitol., v. 33 (4), 515-524
Ascaris lumbricoides, perivisceral liquid, statistical analysis of content of proteins, hemoglobin and "adenine derivatives"; protein and hemoglobin content influenced by intestinal content and diet of host but not by maturity of parasite; types of proteins dependent on weight and maturity of parasite

Age of parasite
Moore, M. N.; and Halton, D. W., 1976, Exper. Parasitol., v. 40 (2), 212-224
Fasciola hepatica, enzyme histochemistry in juvenile vs. adult flukes and in infected mouse liver (cytopathological changes), effects of exper. starvation of flukes on levels of staining and distribution of hydrolytic enzymes

Age of parasite
Musoke, A. J.; and Williams, J. F., 1975, Immunology, v. 29 (5), 855-866
Taenia taeniaeformis, rats, sequential appearance of protective immunoglobulins studied in passive transfer experiments, mechanism of action of 7Sγ2a antibodies, susceptibility of early postoncospheral stages to antibody-mediated attack was complement dependent

Age of parasite
Ogunji, F. O.; and Dipeolu, O. O., 1977, Ztschr. Parasitenk., v. 51 (3), 285-288
Amblyomma variegatum, Hyalomma rufipes, Boophilus decoloratus, larval feeding on scrotum of sheep better than on ears, economical for rearing large numbers of ticks; greatest number of larvae engorged when fed within 1-4 days of hatching

Age of parasite
Pappas, P. W.; and Mayer, L. P., 1976, J. Parasitol., v. 62 (2), 329-332
Hymenolepis microstoma transplanted into uninfected recipient mice, evidence that ability to elicit histopathological host response and to migrate from small intestine to bile duct is not limited to young developing worms

Age of parasite
Parshad, V. R.; and Guraya, S. S., 1976, J. Helminth., v. 50 (1), 11-15
Cotylophoron cotylophorum, intestinal (immature) vs. ruminal (mature) stages, histochemical comparison of lipid composition

Age of parasite
Prah, S. K.; and James, C., 1977, J. Helminth., v. 51 (1), 73-85
Schistosoma mansoni, S. haematobium, influence of temperature, ultraviolet radiation, and aging on survival and infectivity of miracidia, profound effect but unlikely to be of importance in transmission in the field

Age of parasite
Reisen, W. K.; Kennedy, M. L.; and Reisen, N. T., 1976, J. Parasitol., v. 62 (4), 628-635
winter ecology of ectoparasites collected from hibernating Myotis velifer (incidence, intensity, monthly changes, parasite and host sex ratio, interspecific associations, parasite age structure, etc.): Harmon County, southwestern Oklahoma

Age of parasite
Ross, G. C., 1976, Comp. Biochem. and Physiol., v. 55 (3B), 343-346
Schistosoma spp., isoenzymes, lactate dehydrogenase, malate dehydrogenase, acid phosphatase, isoelectric focusing in polyacrylamide gel, possible applications in taxonomy and diagnosis, factors considered in assessing results (include age and sex of parasite, host relationships, etc.)

Age of parasite
Rust, R. W., 1973, J. Med. Entom., v. 10 (2), 169-175
ectoparasitic mites of Thomomys bottae, mite age structure, seasonal fluctuations, effect of host macro- and microenvironment on host specificity: Davis, California

Age of parasite
Schulz-Key, H., 1975, Tropenmed. u. Parasitol., v. 26 (1), 60-69
Onchocerca flexuosa, development of nodules on hide of Cervus elaphus, relationship to age and sex of parasites, parasitic reproduction within nodules

Age of parasite
Smith, D. H., 1973, J. Med. Entom., v. 10 (5), 481
Cuterebra approximata, technique for laboratory mating, younger males more vigorous and fertile

Age of parasite
Soleim, Ø., 1976, Norwegian J. Zool., v. 24 (4), 319-323
Thynnascaris adunca from Gadus morhua, comparison of 2 populations, relative age of parasites indicates that cod in warmer Norwegian coastal waters is subject to loss of parasites and re-infection more often than colder Barents Sea cod

Age of parasite
Somers, J. A.; Shorey, H. H.; and Gaston, L. K., 1977, J. Chem. Ecol., v. 3 (4), 467-474
Rhabditis pellio, quantitative bioassay for female-produced attractant pheromone by measuring male migration response, age in relation to production and response, daily rhythms

Age of parasite
Spaldonova, R.; and Corba, J., 1977, Biologia, Bratislava, s. B, Zool. (4), v. 32 (11), 855-860
Trichinella spiralis, intestinal stages, mice, efficacy of cambendazole, decreases as worms mature, females more susceptible

Age of parasite
Srivastava, G. C., 1974, Haryana Agric. Univ. J. Research, v. 4 (4), 277-280
Dicrocoelium dendriticum, total egg count per individual worm, higher in naturally infected than in experimentally infected animals, higher in older worms

Age of parasite
Stewart, T. B.; Hale, O. M.; and Marti, O. G., 1975, Am. J. Vet. Research, v. 36 (6), 771-772
Hyostrongylus rubidus, pigs (exper.), treatment with coated vs. uncoated formulations of dichlorvos, efficacious against adult worms but little or no activity against 5- or 15-day-old worms, not as effective in sows as in barrows and gilts

Age of parasite
Swietlikowski, M., 1969, Acta Parasitol. Polon., v. 17 (1-19), 95-101
Dictyocaulus viviparus, calves infected orally by larvae refrigerated 3 or 8 months; young larvae produce more severe disease; both ages cause similar immunological response; implications for overwintering, epizootiology, and self-cure

Age of parasite
Thomas, R. J.; Waller, P. J.; and Cottrill, B. R., 1975, Research Vet. Sc., v. 19 (1), 113-114
Haemonchus contortus larvae used as source of antigen, decrease in antigenic potency following storage for 2 months at 5°C, no such decline in larvae killed by freezing and stored at -15°C, suggested that loss of potency with ageing may be partly responsible for increased worm populations in sheep in spring

Age of parasite
Uchikawa, K., 1975, Eisei Dobutsu (Japan. J. San. Zool.), v. 26 (4), 207-212
Argas japonicus, biological data, laboratory reared on chickens, development, idiosomal lengths in various stages, age composition, sex ratio, size distribution

Age of parasite
Whitfield, P. J.; and Anderson, R. M., 1977, Parasitology, v. 75 (2), viii-ix [Abstract]
Transversotrema patialense cercariae, activity patterns, age-dependent changes

Age of parasite
Whitfield, P. J.; Anderson, R. M.; and Bundy, D. A. P., 1977, Parasitology, v. 75 (1), 9-30
Transversotrema patialense, cercarial behavior, activity patterns, age and temperature dependence, speed and duration, neural control and energetic significance

Age of parasite
Wilson, P. A. G., 1976, Ztschr. Parasitenk., v. 49 (3), 243-252
Haemonchus contortus, Nippostrongylus brasiliensis, infective larvae, carbohydrate content and ageing process contrasted; carbohydrate level variation in H. contortus due to capacity to synthesize glycogen during ageing, low level in N. brasiliensis remains constant

Age of parasite
Wright, A. C.; and Levy, C. K., 1974, J. Protozool., v. 21 (3), 424 [Abstract]
Eimeria falciformis, experiments to determine the extent to which age of unsporulated oocysts affects their responses to ^{60}Co gamma irradiation, possible effect of prior cold storage upon results

Age of parasite
Yousif, F.; and Laemmler, G., 1975, Ztschr. Parasitenk., v. 47 (3), 191-201
Angiostrongylus cantonensis, factors influencing infectivity of first stage larvae to Biomphalaria glabrata, size of snails, number of larvae, age of larvae, individual or mass exposure, length of exposure, temperature, light

Age of parasite
Zuckerman, B. M., 1976, Organ. Nematodes (Croll), 211-241
free-living nematodes as models for aging studies, may have implications for parasitology

Agglutination. See Immunity, Agglutination.

Air-borne diseases. See Disease transmission, Air.

Albumin. See Proteins; Proteins, Blood.

Alcoholism
Gudiol, F.; et al., 1974, Med. Clin., Barcelona, v. 63 (3), 125-137
human Trichinella spiralis, comprehensive resume of findings observed in 22 human infections (predominance of females, inverse relationship to alcoholic consumption, eosinophilia, changes in blood protein levels, metabolic activity of parasitized muscles, treatment with thiabendazole)

Algeria
Dedet, J. P., 1975, Arch. Inst. Pasteur Tunis, v. 52 (1-2), 129-148
leishmaniasis, bibliography (1860-1974): Algerie

Allergy. See Immunity, Allergy

Altitude. [See also Pressure, Atmospheric]

Altitude
Arnaudov, D.; et al., 1976, Vet. Med., Praha, v. 49, v. 21 (6), 375-384
Toxoplasma gondii, sheep, immunoepizootiological study by hemagglutination, indirect fluorescence, and microprecipitation reaction in agar gel; higher incidence in aborting ewes and in sheep in montane regions: Bulgaria; Czechoslovakia

Altitude
Breev, K. A.; and Baratov, Sh. B., 1970, Parazitologiia, Leningrad, v. 4 (3), 241-249
Hypoderma lineatum sinense, incidence and intensity of infection, development in relation to temperature, climatic adaptation, differentiation from typical H. lineatum, yaks: eastern Pamir

Altitude
Charters, A. D., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 291-292 [Letter]
Plasmodium falciparum, P. vivax, technique for collecting multiple thick films on same slide when carrying out field surveys; comparison of high altitude endemicity records of areas in Ethiopia and Kenya

Altitude
Cross, J. H.; et al., 1976, J. Trop. Med. and Hyg., v. 79 (6), 123-131
statistical epidemiologic survey of parasite prevalence in natives of Northern Sumatra, Indonesia

Altitude
Graves, I. L.; Adams, W. H.; and Pyakural, S., 1975, Am. J. Vet. Research, v. 36 (6), 843-845
Bos grunniens moved from high to low altitude and challenged with influenza A viruses, hemolytic anemia, possible explanations, death due to Fasciola hepatica and F. gigantica, incidental finding of Bunostomum sp., Trichuris sp., Neoascaris vitulorum, Dictyocaulus sp., coccidia, some reasons for poor survival of yaks at low altitude: Nepal

Altitude
Kuttler, K. L.; and Todorovic, R. A., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 106-112
Anaplasma marginale, cattle, premunization, Gloxazone and Imidocarb superior to oxytetracycline in moderating premunizing infection, possible factors affecting success (age of host; virulence, size, and potency of premunizing inoculum; strain or size of challenge exposure; temperature and altitude)

Altitude
Mrciak, M.; and Rosicky, B., 1975, Biologia, Bratislava, s. B, Zool., v. 30 (8), 589-597
parasites of small mammals and birds in high altitude areas, geographical distribution in relation to altitude, geological history, and host distribution, adaptations to alpine conditions including life history adaptations, review: High Tatra Mountains, Slovakia

Altitude
Vaidova, S. M., 1975, Izvest. Akad. Nauk Azerbaidzhan. SSR, s. Biol. Nauk (3), 74-79
distribution of avian helminths in relation to habitat zones (high mountain, mountain forest, forest and scrub, lowlands): Azerbaidzhan

Altitude
Waldeland, H., 1977, Acta Vet. Scand., v. 18 (2), 227-236
Toxoplasma, four breeding flocks of sheep, long-term (3-6 years) epidemiological studies, abnormal reproductive performance, increased prevalence with age, higher incidence in lowland pastures than in mountain pastures, lower incidence in summer than in winter: Norway

Amebic abscess. See Abscess, Amebic.

Ameboma. See Granuloma.

Amino acids. [See also Biochemistry; Metabolism; Proteins]

Amino acids
Arme, C., 1977, Ztschr. Parasitenk., v. 51 (3), 261-263
Monogenea, amino acids of 8 species, brief comparison of marine and freshwater forms

Amino acids
Bailey, R. S., jr.; and Fried, B., 1977, Internat. J. Parasitol., v. 7 (6), 497-499
Echinostoma revolutum, amino acids in adults and in incubate fluid of adults maintained in non-nutrient salt solution, thin layer chromatographic analyses

Amino acids
Ball, G. H.; and Chao, J., 1976, Exper. Parasitol., v. 39 (1), 115-118
Plasmodium relictum, utilization of amino acids by developing oocysts in presence of metabolizing insect cells

Amino acids
Bear, P. D., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 16-18
Anaplasma marginale, biochemical and immunological nature, brief review: nucleic acids; opsonins and autoimmunity

Amino acids
Billups, M. E.; Johns, R. W.; and Dimopoullos, G. T., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 19-21
Anaplasma marginale-infected calf erythrocytes, amino acid and nucleic acid metabolism

Amino acids
Boctor, F. N.; and Kamel, M. Y., 1977, Comp. Biochem. and Physiol., v. 56 (2B), 169-173
Dermacentor andersoni, free amino acid pools during embryogenesis and in newly hatched larvae, glutamate-pyruvate transaminase and glutamate-oxalacetate transaminase activity

Amino acids
Bridgen, P. J.; Cross, G. A. M.; and Bridgen, J., 1976, Nature, London (5578), v. 263, 613-614
Trypanosoma brucei, N-terminal amino acid sequences of variant-specific surface antigens

Amino acids
Christensen, N. O.; Frandsen, F.; and Nansen, P., 1977, J. Parasitol., v. 63 (1), 165-166
Schistosoma intercalatum, method for in vivo labeling of miracidia with radioselenium using ^{75}Se-methionine

Amino acids
Conklin, K. A.; and Chou, S. C., 1970, Science (3963), v. 170, 1213-1214
4 antimalarials, effects on in vitro and in vivo protein synthesis, results indicate primary effect is inhibition of amino acid uptake rather than direct inhibition of protein synthesis

Amino acids
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Plasmodium vinckei chabaudi rat-adapted strain, in vitro system (based on rocker dilution technic) that supports intraerythrocytic growth from ring to schizont stages, some reinvasion obtained but associated with decrease in parasite numbers, lactate production, glucose utilization, ^{3}H-leucine and ^{3}H-adenosine incorporation

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Trypanosoma brucei, utilization of amino acids and glucose during growth in culture, effects on respiration

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Fasciola hepatica, amino acid content in protein higher in fluke than in bovine liver, adverse effect on host

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Crithidia fasciculata, inhibited growth with adenine analog, 4-aminopyrazolo(3,4-d) pyrimidine, adenine plus a pyrimidine (or a pyrimidine derivative) necessary for reversal of inhibition, adenine analog not inhibitory to enzymes of pyrimidine biosynthetic pathway; if not for its untoward effects in mammals, 4-APP might be suggested as possible therapeutic agent in trypanosomal infections

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Trypanosoma gambiense, amino acid transport

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Plasmodium falciparum infection induced in Aotus trivirgatus (exper.) using sporozoites of human origin, amino acid dl-methionine previously administered to monkey to reverse physiological conditions of hepatic environment and reduce barrier to infection

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Fasciola hepatica homogenates, pyrroline-5-carboxylic acid dehydrogenase not detected, activity of pyrroline-5-carboxylic acid reductase 4 times that of mammalian liver reductase, evidence for worm as source of high levels of free proline in bile of animals with fascioliasis

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Schistosoma mansoni, absorption of amino acids, "results indicate that classic active transport can occur in a trematode"

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Eimeria acervulina-infected chickens, amino acid malabsorption and intestinal leakage of plasma proteins, food intake and growth, results suggest that anorexia and protein leakage from gut are major factors in pathogenesis

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Leishmania donovani promastigotes, proline metabolism

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Plasmodium cathemerium-infected Culex pipiens fatigans, amino acid uptake

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Plasmodium cathemerium-infected and normal Culex pipiens fatigans, labeling of tissues after feeding on tritiated amino acids; intensive uptake of essential amino acids; nearly no uptake of non-essential amino acids

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Trypanosoma brucei gambiense-infected Microtus montanus, free amino acids in brain, liver, and skeletal muscle tissues, relatively specific alteration of free tyrosine concentrations suggests alteration in host metabolism of this amino acid and/or parasite utilization, possible relationship to neurological syndromes associated with infection

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Plasmodium falciparum in Aotus trivirgatus, treatment with chloroquine or 1-amidino-3-(3-chloro-4-cyanophenyl) urea, comparison of assessment in vivo with an in vitro test of protein-synthesizing activity (incorporation of radioactive leucine), in vitro system should prove useful in drug metabolism studies and in experiments using large or expensive animals

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Trypanosoma equiperdum, amino acid transport

Amino acids
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Leishmania tarentolae in chemically defined medium containing taurine as sole sulfur source, chromate, selenate, and vanadate accelerated growth and enhanced incorporation of $[^{35}S]$ taurine label into different cell fractions

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Leishmania tropica promastigotes, methionine uptake system shows broad specificity and is subject to regulation at the level of carrier activity

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Leishmania tropica promastigotes in vitro, sensitivity to toxic effects of bilirubin (loss of viability, decreased sugar and amino acid uptake, increased efflux of intracellular sugars, hexokinase activity, lowered respiration), results suggest irreversible damage to cell membrane, possible culture loss if bilirubin concentration of hemoglobin solution used is too high

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Plasmodium knowlesi, in vitro biosynthesis of methionine

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Plasmodium knowlesi, in vitro biosynthesis of methionine and thymidylic acid, related folate metabolism

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Schistosoma mansoni, incorporation of C^{14} labeled amino acids

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Eimeria tenella, amino acids essential for asexual development in vitro

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Trypanosoma rhodesiense, sequence of metabolic changes associated with acquisition of mitochondrial-mediated metabolism during transformation into culture forms, significantly higher rate of oxidation with proline vs. other substrates tested

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Isoparorchis hypselobagri, free amino acid composition determined by chromatographic method

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Trypanosoma brucei-infected salivary glands of Glossina morsitans, tracer experiments, transport, uptake, and deposition of labeled amino acids

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Leishmania donovani, L. braziliensis, amino-acid and glucose utilization by parasites

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Trypanosoma cruzi epimastigotes, occurrence of proline oxidation, effect of proline and other amino acids on respiration, dissimilation of metabolic intermediates, results suggest presence of proline-glutamate interconversion pathway

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Trypanosoma brucei, active site of N_1 amino acid transport carrier

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Leishmania tarentolae, promastigotes, substances in Trager's Defined Medium capable of acting as proline precursors, proline synthesis unaffected by presence of preformed proline indicating absence of end product feedback inhibition

Anabolism. See Metabolism.

Anaemia. See Anemia.

Anaphylaxis. See Immunity, Allergy.

Anatomy. See Morphology.

Anemia. [See also Blood; Hemoglobin]

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possible causes of anemia and splenomegaly in infections with non-bloodsucking parasites

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Babesia bigemina, Bos grunniens moved from high to low altitude and challenged with influenza A viruses, hemolytic anemia, possible explanations, death due to Fasciola hepatica and F. gigantica, incidental finding of Bunostomum sp., Trichuris sp., Neoascaris vitulorum, Dictyocaulus sp., coccidia, some reasons for poor survival of yaks at low altitude: Nepal

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anemia in parasitic infections, review

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possible role of intestinal parasitism in growth-retarded, anemic and malnourished Australian Aboriginal children, comparison with normal Aboriginal children: Queensland

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Cuterebra emasculator, Tamias striatus (nat. and exper.), haematological values of infected vs. uninfected chipmunks, adverse effects of infection on activity and feeding subsequent to parasite leaving host: Ontario

Anemia, Arthropoda
Beveridge, I.; and Barker, I. K., 1976, Austral. J. Zool., v. 24 (2), 265-272
helminths and arthropods, Antechinus stuartii, seasonal and sex-related variations in numbers of helminths, parasites unlikely directly involved in seasonal mortality of male host; ectoparasites may contribute to anemia in hosts: Powelltown, Victoria

Anemia, Arthropoda
Curtis, S. K., 1977, Vet. Med. and Small Animal Clin., v. 72 (5), 907-908
hookworms and flea infestation in dogs causing anemia and convulsive seizures

Anemia, Nematoda
Allonby, E. W.; and Urquhart, G. M., 1975, Vet. Parasitol., v. 1 (2), 129-143
Haemonchus contortus, Merino ewes and their lambs, epidemiology and pathogenic significance, faecal egg counts, worm burdens, haematological indices, clinical signs, levels of infective larvae on pasture, classical acute haemonchosis occurred during high rainfall periods, self-cure confirmed as flock phenomenon, importance of moderate infections: Naivasha, Kenya

Anemia, Nematoda
Areekul, S., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (1), 144-145
Ancylostoma caninum in dogs (exper.), estimation of blood loss caused by parasitemia using ^{51}Cr-labelled red cells

Anemia, Nematoda
Areekul, S.; et al., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 519-523
human hookworm anemia, assessment of blood loss, iron absorption and iron reabsorption in infected humans: Thailand

Anemia, Nematoda
Areekul, S.; et al., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (2), 201-209
Ancylostoma ceylanicum, A. caninum, hookworm anemia in dogs (exper.) influenced by their iron reserve and dietary iron, no difference between effects of hookworm infection on iron metabolism in dogs with normal and deficient iron reserves

Anemia, Nematoda
Areekul, S.; Devakul, K.; and Kanakakorn, K., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (3), 414 [Demonstration]
hookworm, amoebiasis, humans, effects of anemia on iron absorption compared in infected and control subjects

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Areekul, S.; Pinyawatana, W.; and Kitkornphan, S., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (3), 386-390
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Anemia, Nematoda
Areekul, S.; Tipayamontri, U.; and Ukoskit, K., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (2), 230-235
Ancylostoma braziliense, dogs and cats (both exper.), measurements of blood loss through gastrointestinal tract with finding that A. braziliense caused relatively insignificant loss in these animals

Anemia, Nematoda
Bruce-Tagoe, A. A.; et al., 1977, Trop. and Geogr. Med., v. 29 (3), 237-244
human malaria and hookworm, correlations with hematological values and anemia in survey of rural population in Ghana

Anemia, Nematoda
de Carvalho, P., 1973, Pediat. Prat., S. Paulo, v. 44 (3-4), 93-98
Ancylostoma duodenale, acute infection with anemia in infant, diagnostic difficulties, therapy of blood transfusions and tetrachlorethylene: Sao Paulo, Brasil

Anemia, Nematoda
Chamorro, H.; and Moizeszowicz, J., 1973, Bol. Chileno Parasitol., v. 28 (1-2), 24-30
hookworm anemia, clinical trials testing iron therapy: Argentina

Anemia, Nematoda
Curtis, S. K., 1977, Vet. Med. and Small Animal Clin., v. 72 (5), 907-908
hookworms and flea infestation in dogs causing anemia and convulsive seizures

Anemia, Nematoda
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helminth diseases of sheep, red cell and plasma protein metabolism, anaemia, applications of radioisotopic methods, extensive review with particular emphasis on Fasciola hepatica and Haemonchus contortus

Anemia, Nematoda
Douglas, J.; and Tamanika, M., 1973, Papua N. Guinea Med. J., v. 16 (1), 54-58
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Anemia, Nematoda
Garby, L.; and Areekul, S., 1974, Ann. Trop. Med. and Parasitol., v. 68 (4), 467-476
iron-deficiency anemia caused by hookworm, possible prevention by iron supplementation of fish-sauce (a widely used food product): Thailand

Anemia, Nematoda
Hart, R. J.; and Wagner, A. M., 1971, Onderstepoort J. Vet. Research, v. 38 (2), 111-116
Gaigeria pachyscelis, sheep (exper.), pathological physiology (macrocytic normochromic anaemia, hypoproteinaemia, hypocalcaemia, hyperglycaemia, eosinophilia); some fatalities, due primarily to loss of blood

Anemia, Nematoda
Hawley, T. G., 1973, N. Zealand Med. J. (489), v. 77, 95-97
Necator infestation in rural dwelling Fijians and Indians, relationship to mean hemoglobin levels

Anemia, Nematoda
Inglessis, G., 1973, Arch. Inst. Cardiol. Mexico, v. 43 (1), 87-101
Necator [americanus] in children, evidence of cardiac pathology associated with parasitic anemia, reversal of symptoms when anemia treated: Venezuela

Anemia, Nematoda
Inglessis, G., 1973, Arch. Inst. Cardiol. Mexico, v. 43 (4), 602-608
Necator [americanus], alterations in hemodynamic values and blood pressure associated with hookworm anemia in children: Venezuela

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Lanari Zubiaur, F. J. B.; and Benavento de Beneventano, N. Y., 1974, Medicina, Buenos Aires, v. 34 (3), 249-252
electrocardiographic correlation between the double Master test and voluntary hyperventilation in patients with severe chronic hookworm anemia

Anemia, Nematoda
Langer, A.; and Hung, C. T., 1973, Obst. and Gynec., v. 42 (4), 564-567
human hookworm anemia associated with pregnancy, clinical management with tetrachlorethylene or with tetrachlorethylene and thiabendazole in Trichuris trichiura-associated infections

Anemia, Nematoda
Migasena, S.; Gilles, H. M.; and Maegraith, B. G., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (4), 534-547
Ancylostoma caninum, experimental infections in dogs, study of interrelationships between larval infective dose, egg count and worm load; pathologic and hematologic changes

Anemia, Nematoda
Naik, S. R.; et al., 1976, Digestion, v. 14 (2), 133-141
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Anemia, Nematoda
Nhonoli, A. M.; and Chukwuemeka, A. C., 1971, Med. J. Zambia, v. 5 (3), 95-101
analysis of electrocardiographic changes in patients with severe hookworm anemia before and after treatment with alcopar and tetrachlorethylene: Zambia

Anemia, Nematoda
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human hookworm infection, study of associated anemia and intestinal malabsorption

Anemia, Nematoda
Sroczynski, J., 1977, Polski Tygod. Lekar., v. 32 (16), 589-591
Necator americanus, [Wuchereria] bancrofti, Schistosoma mansoni, studies on hospitalized Africans to assess variations in blood picture during infections showed anemia in hookworm to be mainly iron deficiency while schistosomiasis caused protein deficiency, eosinophilia of peripheral origin rather than correlated with changes in bone marrow

Anemia, Nematoda
Tantengco, V. O.; et al., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (2), 210-221
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Anemia, Nematoda
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Ascaris, Trichuris, hookworm infections apparently not contributory cause of nutritional anemia in schoolchildren: Philippine Islands

Anemia, Nematoda
Zigas, V., 1973, Papua N. Guinea Med. J., v. 16 (1), 51-53
human hookworm anemia, positive correlation between hemoglobin levels and degree of infection: Southern Highlands of Papua New Guinea

Anemia, Protozoa
Anosa, V.; Jennings, F. W.; and Urquhart, G. M., 1977, J. Comp. Path., v. 87 (4), 569-579
Trypanosoma brucei, mice, anemia slightly increased in splenectomized mice compared to intact mice; spleen not essential for red cell destruction

Anemia, Protozoa
Areekul, S.; Devakul, K.; and Kanakakorn, K., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (3), 414 [Demonstration]
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Anemia, Protozoa
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soluble Trypanosoma evansi antigen produced haemolytic anemia, rats, immunologically-mediated mechanism may be responsible for development of anemia

Anemia, Protozoa
Ayala, S. C.; and Spain, J. L., 1976, J. Parasitol., v. 62 (2), 177-189
Plasmodium colombiense sp. n. in Anolis auratus, host blood pictures, parasitemia, parasite structure and structural variance, infection states, host population structure, epidemiology: western Colombia (Cauca River valley basin)

Anemia, Protozoa
Botros, B. A. M.; Moch, R. W.; and Barsoum, I. S., 1975, Am. J. Vet. Research, v. 36 (3), 293-296
Babesia gibsoni, splenectomized and nonsplenectomized dogs (exper.), inoculation with fresh and preserved blood, prepatent period, clinical signs, duration of parasitemia, gross pathologic changes, clinicopathologic changes, histopathologic features, relationship of age of dogs to pathogenicity of infection

Anemia, Protozoa
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Haemobartonella felis, feline infectious anemia, mixed with leukemia virus, chloramphenicol, tetracycline, fair results

Anemia, Protozoa
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Trypanosoma congolense and T. brucei, comparative pathology in both bled and non-bled albino rats (exper.): parasitemia, packed cell volumes, weight of spleen and lymph, histology of thymus, spleen, lymph nodes, and bone marrow

Anemia, Protozoa
Bruce-Tagoe, A. A.; et al., 1977, Trop. and Geogr. Med., v. 29 (3), 237-244
human malaria and hookworm, correlations with hematological values and anemia in survey of rural population in Ghana

Anemia, Protozoa
Bundza, A.; et al., 1976, Canad. Vet. J., v. 17 (10), 267-270
Haemobartonella canis, dog, Coombs' positive anemia following splenectomy

Anemia, Protozoa
Callow, L. L.; and Pepper, P. M., 1974, Austral. Vet. J., v. 50 (1), 1-5
Babesia argentina, cattle, measurement of and correlations between fever, changes in the packed cell volume and parasitaemia in evaluation of susceptibility to infection; results suggest that most or all of anemia of B. argentina infections is related to growth and multiplication of parasite, and not to an autoimmune mechanism

Anemia, Protozoa
Coleman, R. M.; et al., 1976, J. Parasitol., v. 62 (1), 138-140
Plasmodium berghei, transitory but heightened rate of destruction of normal transfused erythrocytes in infected rats

Anemia, Protozoa
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Anaplasma marginale, Babesia bigemina, concurrent infections in calves (exper.), clinical course, serological response, pathological manifestations

Anemia, Protozoa
Cox, H. W.; and Calaf-Iturri, G., 1976, Ann. Trop. Med. and Parasitol., v. 70 (1), 73-79
Haemobartonella muris in rats, Eperythrozoon coccoides in mice, production of essentially same disease characterized by anemia with splenomegaly and erythrophagocytosis associated with presence of cold-active haemagglutinin, serum antigen, and antibody to serum in blood

Anemia, Protozoa
Desser, S. S.; and Ryckman, A. K., 1976, Canad. J. Zool., v. 54 (5), 634-643
Leucocytozoon simondi, development in captive Branta canadensis maxima, B. c. interior, and Anser domesticus exposed to natural infection on shores of Lake Sasajewan, Algonquin Park, Ontario, some anemia but no other pathology, no megaloschizonts or elongate gametocytes seen, identity confirmed by experimental infections of goslings and ducklings with gosling-derived sporozoites

Anemia, Protozoa
Diehl, K.; and Berlinger, R., 1976, Med. Welt., v. 27 (7), 315-319
acute fulminating toxoplasmosis, youth, pyrimethamine-induced megaloblastic anemia, case report: Germany

Anemia, Protozoa
Dolan, T. T., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 274 [Demonstration]
Babesia divergens in calves (exper.), B. rodhaini in rats (exper.), thrombocytopenia with marked hemolytic anemia

Anemia, Protozoa
El-On, J.; and Greenblatt, C. L., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 19 [Demonstration]
Trypanosoma lewisi, rats, increased susceptibility to infection when given cyclophosphamide (CyI-rats) as immuno-suppressive, possible role of exoantigens in development of anemia, precipitating antibodies to Trypanosoma lewisi in rabbits inoculated with plasma from CyI rats whether infected or not

Anemia, Protozoa
Finch, S. C.; and Jonas, A. M., 1973, J. Reticuloendothel. Soc., v. 13 (1), 20-26
Hemobartonella muris, rats, activation of latent infection with development of hemolytic anemia after parenteral administration of ethyl palmitate, effect probably due to development of acute splenic necrosis with loss of splenic sinusoidal function

Anemia, Protozoa
Harvey, J. W.; and Gaskin, J. M., 1977, J. Am. Animal Hosp. Ass., v. 13 (1), 28-38
Haemobartonella felis, cats (exper.), hematology studies, time course of disease

Anemia, Protozoa
Hawking, F.; Wilson, A. J.; and Paris, J., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 289 [Letter]
Trypanosoma congolense, effect of dexamethasone upon infection in calves, results suggest that anemia was not due to auto-immunization but probably due to direct toxic action of trypanosomes on blood

Anemia, Protozoa
Hayes, H. M.; and Priester, W. A., 1973, J. Small Animal Practice, v. 14 (12), 797-804
Haemobartonella felis and/or Eperythrozoon felis, feline infectious anaemia, relative risk according to age, sex and breed of cats, prior disease, seasonal occurrence, mortality, pattern of risk suggests horizontal transmission probably by direct contact

Anemia, Protozoa
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T[rypanosoma] congolense, T. brucei, rabbits infected and subsequently treated with diminazene aceturate, haematological indices, changes in circulating red cell volume and plasma volume, changes in erythropoiesis, red cell survival studies, dramatic effects of treatment on anemia, similar preliminary results with T. congolense in Zebu calves

Anemia, Protozoa
Holmes, P. H.; and Mamo, E., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 274 [Abstract]
Trypanosoma congolense in experimentally infected zebu cattle, dynamics of development of trypanosomal anemia

Anemia, Protozoa
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Theileria annulata, intact susceptible calves, premune calves following splenectomy, pathogenesis of anemia, role of erythrocytic forms and schizonts, involvement of autoimmune reaction is proposed

Anemia, Protozoa
Hussein, H. S., 1976, Ztschr. Parasitenk., v. 50 (2), 103-108
Babesia hylomysci, mice, ^{59}Fe labelling of hemoglobin demonstrating parasite's preference for mature erythrocytes, direct destruction of erythrocytes as main cause of anemia and autoimmune reaction as probable factor

Anemia, Protozoa
Ilemobade, A. A.; and Blotkamp, C., 1977, Vet. Rec., v. 101 (8), 153-154
Eperythrozoon ovis, sheep (nat. and exper.), anaemia, apparent endemic stability in local flocks: Shika Agricultural Research Station near Zaria, Nigeria

Anemia, Protozoa
Jarvinen, J. A.; and Dalmasso, A. P., 1977, Exper. Parasitol., v. 43 (1), 203-210
Trypanosoma musculi, mice, development of mild anemia, evidence indicating participation of immunological mechanism, erythrocytes had bound immunoglobulins and complement component 3, intravascular hemolysis by complement was not a mechanism of cell destruction

Anemia, Protozoa
Jenkins, G. C.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 437-438 [Demonstration]
Trypanosoma brucei, rabbits, haematological observations

Anemia, Protozoa
Jenkins, G. C.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 154 [Abstract]
T[rypanosoma] brucei-infected rabbits, anemia associated with infection due to hemolytic mechanism either of immunologic or microangiopathic nature

Anemia, Protozoa
Jennings, F. W.; et al., 1974, Research Vet. Sc., v. 16 (1), 70-76
Trypanosoma brucei, rats, mice, description of anemia, results indicative of hemolytic origin

Anemia, Protozoa
Kobayashi, A.; Tizard, I. R.; and Woo, P. T. K., 1976, Am. J. Trop. Med. and Hyg., v. 25 (3), 401-406
Trypanosoma congolense, calves, anemia proved to be of immunological origin, antigen-antibody-complement complexes deposited on surface of erythrocytes results in their immune elimination and leads to clinical anemia

Anemia, Protozoa
Lewinsohn, R., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 51-56
Schistosoma mansoni and Plasmodium berghei yoelii in mice (exper.), dynamics of anemia resulting from mixed infections

Anemia, Protozoa
McGhee, R. B., 1976, Exper. Parasitol., v. 39 (1), 88-94
Plasmodium gallinaceum-infected immunoincompetent chicken embryos, changes in blood picture in response to injection of serum from hyperimmunized chickens, results suggest definite role of immunity in anemia accompanying malaria, failure to clarify question of autoimmunity

Anemia, Protozoa
McHardy, N., 1973, Ann. Trop. Med. and Parasitol., v. 67 (3), 301-306
Babesia rodhaini, mice, stimulation of erythropoiesis can have beneficial effect

Anemia, Protozoa
McHardy, N., 1974, Ann. Trop. Med. and Parasitol., v. 68 (1), 51-57
Anaplasma marginale, calves, beneficial effects of injecting anti-erythrocyte serum more pronounced in intact than splenectomized animals, no differences in immune responses noticed

Anemia, Protozoa
Mahrt, J. L.; and Fayer, R., 1975, J. Parasitol., v. 61 (5), 967-969
Sarcocystis fusiformis, calves (exper.), acute phase of infection, hematologic and serum enzyme changes: oligocythemic anemia, leukocytic shift to the left, elevation of serum SGOT, LDH, and CPK levels

Anemia, Protozoa
Mamo, E.; and Holmes, P. H., 1975, Research Vet. Sc., v. 18 (1), 105-106
Trypanosoma congolense, chronically infected Ethiopian Zebu cattle, erythrokinetics, anemia due principally to massive loss of red cells from circulation

Anemia, Protozoa
Maxie, M. G.; Losos, G. J.; and Tabel, H., 1976, Pathophysiol. Parasit. Infect., 183-198
Trypanosoma congolense, T. vivax, cattle, development of macrocytic normochromic anemia, leukopenia, and persistent thrombocytopenia, significant differences in response of cattle to the two species

Anemia, Protozoa
Moulton, J. E.; and Sollod, A. E., 1976, Am. J. Vet. Research, v. 37 (7), 791-802
Trypanosoma brucei, calves (exper.), clinical changes, parasitemia, antibody titration (indirect fluorescent antibody technique), IgG and IgM, histopathology

Anemia, Protozoa
Murray, M.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 276-277 [Abstract]
Trypanosoma brucei, pathology in rats: progressive alteration in immunological apparatus leading to immunosuppressed state to other antigens; anemia; specific organ damage and failure

Anemia, Protozoa
Murray, M.; et al., 1974, Research Vet. Sc., v. 16 (1), 77-84
Trypanosoma brucei, 3 aspects of pathology in rats: progressive alteration in immunological apparatus of lymph nodes, spleen, and thymus, increase in activity of mononuclear phagocytic system; haemopoietic system changes, haemolytic anemia; specific organ damage (heart most markedly affected)

Anemia, Protozoa
Musoke, A. J.; Cox, H. W.; and Williams, J. F., 1977, J. Parasitol., v. 63 (6), 1081-1088
Plasmodium chabaudi, rats, antigens and antibodies found associated with anemia, splenomegaly, and glomerulonephritis, suggested that soluble complexes of parasite antigen and antibody may have been causal in this syndrome

Anemia, Protozoa
Poole, D. B. R.; et al., 1976, Vet. Rec., v. 99 (24), 481
Eperythrozoon wenyoni, cattle, clinical signs associated with anaemia

Anemia, Protozoa
Prusek, W.; et al., 1972, Pediat. Polska, v. 47 (2), 155-158
anemias resulting from giardiasis in children, rapid improvement after antiparasitic therapy

Anemia, Protozoa
Prusek, W.; and Krajewska-Radomska, G., 1971, Pediat. Polska, v. 46 (10), 1299-1301
giardiasis in small child with accompanying severe hypochromic anemia, clinical case report: Wroclaw, Poland

Anemia, Protozoa
Purnell, R. E.; Brocklesby, D. W.; and Young, E. R., 1976, Vet. Rec., v. 98 (20), 411
Eperythrozoon wenyoni, calf (blood), possible cause of anemia in British cattle

Anemia, Protozoa
Ranatunga, P.; and Wanduragala, L., 1972, Brit. Vet. J., v. 128 (1), 9-18
Babesia bigemina, Anaplasma centrale, premunization of Jersey cattle imported to Ceylon from New Zealand, reactions and haematology

Anemia, Protozoa
Saror, D. I., 1976, Vet. Rec., v. 98 (10), 196
Trypanosoma[a] vivax, Trypanosom[a] congolense, plasma copper levels determined in exper. infected cattle, neither iron nor copper deficiencies are significant in the pathogenesis of bovine trypanosomiasis

Anemia , Protozoa
Semka, Z.; and Rogowska, W., 1976, Med. Wet., v. 32 (9), 523-524
Eperythrozoon ovis, imported sheep, blood values, anemia: Poland

Anemia, Protozoa
Soni, J. L.; and Cox, H. W., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 423-430
Plasmodium gallinaceum, chickens, soluble complexes of serum antigen and its antibody may be mediator of acute anemia, serologic identity of serum antigen from malarious chickens and from Babesia rodhaini-infected rats and its distinction from parasite antigen suggest that it might be an autoantigenic macroglobulin

Anemia, Protozoa
Srichaikul, T.; Siriasawakul, T.; and Poshyachinda, M., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (3), 244-246
Plasmodium falciparum in humans, defect in hemoglobin synthesis during infection, effect on normoblastic development in vitro, possible role of complement in depression of erythropoiesis

Anemia, Protozoa
Topley, E.; Knight, R.; and Woodruff, A. W., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 51-54
malaria patients, direct antiglobulin test and immunoconglutinin titres, possible significance of results in understanding mechanism of anemia

Anemia, Protozoa
Theakston, R. D. G.; and Fletcher, K. A., 1971, Ann. Trop. Med. and Parasitol., v. 65 (4), 441-450
Plasmodium berghei, preference for young mature erythrocytes as opposed to more mature cells, dynamics of hemolysis, isotopic tracer techniques

Anemia, Protozoa
Tizard, I. R.; et al., 1977, Experientia, v. 33 (7), 901-902
Trypanosoma congolense, hemolytic activity is due to presence of free fatty acids generated by action of phospholipase A on endogenous phosphatidyl choline, some lysolecithin also contributes to lytic activity, T. lewisi is devoid of phospholipase A and does not generate free fatty acids and is therefore non-hemolytic

Anemia, Protozoa
Washburn, K. W., 1975, Avian Dis., v. 19 (4), 791-801
Eimeria tenella, chickens with mutant and normal hemoglobin types compared under conditions of hematopoietic stress from coccidiosis infection and blood loss from mechanical bleeding

Anemia, Protozoa
Woodruff, A. W., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 313-328
mechanisms involved in anemia associated with infection (schistosomiasis, kala-azar, malaria, trypanosomiasis) and splenomegaly in tropics, complement activation leading to hemolysis and splenomegaly due to erythrophagocytosis, review

Anemia, Protozoa
Woodruff, A. W.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 329-337
Trypanosom[a] rhodesiense, human, mechanism of anemia, complement coating of erythrocytes and subsequent haemolysis, splenic enlargement due to erythrophagocytosis within spleen

Anemia, Protozoa
Woodruff, A. W.; et al., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 21 [Demonstration]
African trypanosomiasis in man associated with anemia, infection eradicated with mel B therapy after unsuccessful course of suramin

Anemia, Protozoa
Wright, I. G., 1973, Research Vet. Sc., v. 14 (1), 29-34
Babesia argentina, B. babesia, splenectomised calves (exper.), haematology

Anemia, Protozoa
Wyatt, R. D.; Ruff, M. D.; and Page, R. K., 1975, Avian Dis., v. 19 (4), 730-740
chicks, interaction of aflatoxin with Eimeria tenella infection and monensin: E. tenella and aflatoxin in combination significantly increased mortality and weight depression, and caused more severely reduced hemoglobin, packed cell volume, and plasma pigmentation; monensin sodium did not completely prevent mortality and weight depression in a mixed infection; coccidial lesion scores were less for combination of E. tenella and aflatoxicosis than for coccidiosis alone

Anemia, Trematoda
Badran, I.; et al., 1973, Med. J. Cairo Univ., v. 41 (4), 245-268
extensive clinical review of human schistosomal proctocolonic polyposis, medical treatment with ambilhar and iron therapy for severe anemia, indications for surgery in more severe cases: Egypt

Anemia, Trematoda
Berry, C. I.; and Dargie, J. D., 1976, Vet. Parasitol., v. 2 (4), 317-332
Fasciola hepatica, sheep, role of host nutrition in pathogenesis, effects of diets providing different protein intake and of a switch from high to low protein diet on anemia, hypoalbuminemia, and weight

Anemia, Trematoda
Bitakaramire, P. K., 1973, Isotopes and Radiation Parasitol. III, 23-32
Fasciola gigantica, calves, immunization with gamma-irradiated metacercariae, pathology, albumin and iron turnover in vaccinated vs. non-vaccinated groups

Anemia, Trematoda
Collins, K. J.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (3), 410-421
Schistosoma mansoni, human (194 cane cutters), physical characteristics and hemoglobin concentration, effect of infection on physiological tests of work performance and heat tolerance under laboratory conditions, findings related to productive output in performing self-paced task under natural working conditions: Guneid, Sudan

Anemia, Trematoda
Dargie, J. D., 1975, Symposia Brit. Soc. Parasitol., v. 13, 1-26
helminth diseases of sheep, red cell and plasma protein metabolism, anaemia, applications of radioisotopic methods, extensive review with particular emphasis on Fasciola hepatica and Haemonchus contortus

Anemia, Trematoda
Haroun, E. M.; and Hussein, M. F., 1975, J. Helminth., v. 49 (3), 143-152
Fasciola gigantica, pathological, haematological, and biochemical aspects of naturally occurring bovine fascioliasis: Sudan

Anemia, Trematoda
Haroun, E. M.; and Hussein, M. F., 1976, J. Helminth., v. 50 (1), 29-30
Fasciola gigantica, calves (exper.), pathological, haematological, and biochemical aspects of infection

Anemia, Trematoda
Holmes, P. H.; et al., 1977, J. Helminth., v. 51 (2), 95-104
S[chistosoma] mansoni in Papio anubis (exper.), acute infections, erythrokinetic studies

Anemia, Trematoda
Holmes, P. H.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 289 [Demonstration]
S[chistosoma] mansoni, baboons (exper.), minimal pathophysiological disturbances despite heavy parasite burdens

Anemia, Trematoda
Kabil, S. M.; and Woodruff, A. W., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 291 [Demonstration]
schistosomiasis, lowered amount of serum complement in infected persons suggests possible association of complement with schistosomal anemia

Anemia, Trematoda
Lawrence, J. A., 1977, Research Vet. Sc., v. 23 (3), 280-287
Schistosoma mattheei, Friesian calves, clinical pathological changes after primary infection, two different planes of nutrition

Anemia, Trematoda
Lewinsohn, R., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 51-56
Schistosoma mansoni and Plasmodium berghei yoelii in mice (exper.), dynamics of anemia resulting from mixed infections

Anemia, Trematoda
Mahmoud, A. A. F.; and Woodruff, A. W., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 171-173
Schistosom[a] mansoni, mice, adult worms play important role in causation of anemia

Anemia, Trematoda
Preston, J. M.; Dargie, J. D.; and MacLean, J. M., 1973, J. Comp. Path., v. 83 (3), 401-415
Schistosoma mattheei, sheep (exper.), clinical, haematological, biochemical, and gross pathological features

Anemia, Trematoda
Preston, J. M.; Dargie, J. D.; and MacLean, J. M., 1973, J. Comp. Path., v. 83 (3), 417-428
Schistosoma mattheei, sheep (exper.), sequential changes in plasma, circulating red cell and blood volumes following infection, serum osmolarity and sodium concentrations, water metabolism, urine composition and solute excretion, significance of findings in relation to pathogenesis

Anemia, Trematoda
Razzak, M. A.; and Hassaballa, N., 1976, Tropenmed. u. Parasitol., v. 27 (3), 343-348
human hepatosplenic schistosomiasis, radionuclide scanning of spleen performed using heat-treated ^{51}Cr tagged red cells, sequestration of thermally altered erythrocytes was greater in patients with enlarged spleens and in those with more marked anemia

Anemia, Trematoda
Sroczynski, J., 1977, Polski Tygod. Lekar., v. 32 (16), 589-591
Necator americanus, [Wuchereria] bancrofti, Schistosoma mansoni, studies on hospitalized Africans to assess variations in blood picture during infections showed anemia in hookworm to be mainly iron deficiency while schistosomiasis caused protein deficiency, eosinophilia of peripheral origin rather than correlated with changes in bone marrow

Anemia, Trematoda
Suad, M.; and Woodruff, A. W., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 279 [Demonstration]
Schistosoma mansoni, mice, observations of 'holes' on erythrocytes, possible relationship to complement fixation and anemia

Anemia, Trematoda
Wagener, D. J. T.; van Tongeren, J. H. M.; and Meuwissen, J. H. E. T., 1972, Nederl. Tijdschr. Geneesk., v. 116 (11), 431-435
Fasciola hepatica in youth presenting as severe anemia, unsuccessful treatment with dehydroemetine, eggs eliminated from feces after 2 courses of bithionol, case report, medical management: Netherlands

Anemia, Trematoda
Woodruff, A. W., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 313-328
mechanisms involved in anemia associated with infection (schistosomiasis, kala-azar, malaria, trypanosomiasis) and splenomegaly in tropics, complement activation leading to hemolysis and splenomegaly due to erythrophagocytosis, review

Aneurysm, Verminous
Avellini, G.; and Vitellozzi, G., 1977, Clin. Vet., Milano, v. 100 (4), 268-271
Delafondia vulgaris, colts, two cases of sudden death owing to hemorrhage, verminous mesenteric aneurysm

Aneurysm, Verminous
Blancou, J.; and Albignac, R., 1976, Rev. Elevage et Med. Vet. Pays Trop., n. s., v. 29 (2), 127-130
Spirocerca lupi, high mortality from aneurysms of thoracic aorta of lemurs

Aneurysm, Verminous
Greatorex, J. C., 1977, Vet. Rec., v. 101 (10), 184-197
Strongylus vulgaris, horses, diagnosis and treatment of "verminous aneurysm" formation, dextran as antithrombotic agent, successful recovery

Aneurysm, Verminous
Ivoghli, B., 1977, J. Am. Vet. Med. Ass., v. 170 (8), 834
Spirocerca lupi, dog, fatal aortic aneurysm and rupture: Iran

Aneurysm, Verminous
Ooms, L.; et al., 1976, Vlaams Diergeneesk. Tijdschr., v. 45 (9-10), 290-299
helminthiasis in horses with particular reference to verminous aneurysms (Str[ongylus] vulgaris), diagnosis, value of electrophoresis of serum proteins in addition to clinical and coprological examination

Animal husbandry
Akbarzadeh, M.; Hinrichsen, J. K.; and Sommer, H., 1976, Tierarztl. Umschau, v. 31 (8), 363-366
endoparasite incidence in lambs raised under 3 different management systems (normal; early weaning; without dams), highest incidence in those under normal system

Animal husbandry
Bergstrom, R. C., 1975, Proc. Helminth. Soc. Washington, v. 42 (1), 61-63
Marshallagia marshalli, other trichostrongylids, incidence and intensity in Ovis aries under 3 types of management (farm flocks, fenced range, and seasonally herded range) and in wild Antilocapra americana; evidence for transmission of M. marshalli from antelope to sheep where range is shared: Wyoming

Animal husbandry
Boag, B.; and Thomas, R. J., 1973, Research Vet. Sc., v. 14 (1), 11-20
gastrointestinal nematode parasites of sheep, effectiveness of 3 control measures applied at strategic points in lamb infection pattern (anthelmintic treatment of ewes at lambing, of lambs at weaning, and moving lambs to clean pasture at weaning--tested singly and in combination)

Animal husbandry
Boag, B.; and Thomas, R. J., 1975, Research Vet. Sc., v. 19 (3), 263-268
Nematodirus battus vs. N. filicollis, sheep, epidemiological studies over a 3 year period under field conditions starting from clean pasture, annual increase in infection levels, persistence of infection despite pasture rest, consistent difference in larval pattern between the two species, possibility of control by plowing and reseeding or by alternate grazing with cattle

Animal husbandry
Brunsdon, R. V., 1976, N. Zealand J. Exper. Agric., v. 4 (3), 275-279
lambs, effectiveness of single thiabendazole drench at weaning in controlling build-up of trichostrongyle worm burdens, relative importance of various sources of pasture contamination (overwintered larvae; larvae deposited by ewes and lambs in pre-weaning period; larvae deposited by lambs at weaning)

Animal husbandry
Buerger, H.-J., 1976, Vet. Parasitol., v. 1 (4), 359-366
Ostertagia, Cooperia, Nematodirus, significantly higher numbers of larvae on herbage samples collected from calf pastures vs. cow pastures, improved control of trichostrongyle infection during late summer and autumn might be achieved by transfer of calves to cow pastures

Animal husbandry
Chapman, H. D., 1974, Research Vet. Sc., v. 16 (1), 1-6
lambs under a husbandry system with crowded indoor housing, performance in 2 separate trials: growth during acquisition of natural mixed coccidial infections; pathogenicity of an artificial infection of primarily Eimeria ninakohlyakimovae, growth, blood changes

Animal husbandry
Collins, W. W., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 97-99
anaplasmosis, cattle, development of feeding programs to provide chlortetracycline at required level in palatable and stable combinations of feed ingredients, correct level of consumption can be achieved by combining suitable formulations and management practices

Animal husbandry
Cottier, K.; Dobbie, J. L.; and Andrew, B. L., 1976, N. Zealand J. Exper. Agric., v. 4 (3), 285-290
anthelmintic drenching of lambs from Jan. to June, 0 vs. 3 vs. 6 drenches, effect on live weight gains and on wool weight and quality, drenching is beneficial but greater increases due to 6 drenches are probably offset by greater costs: Waikato, New Zealand

Animal husbandry
Eckert, J.; and Eisenegger, H., 1976, Zentralbl. Vet.-Med., Beihefte (25), 155-160
Dictyocaulus viviparus, cattle, program for management and control, vaccination with Dictol, tetramisole treatment; Ostertagia ostertagi, Cooperia oncophora, pyrantel tartrate treatment to control concurrent infection limiting weight gain

Animal husbandry
Euzeby, J., 1977, Rev. Med. Vet., Toulouse, v. 128 (11), 1467-1492
gastrointestinal helminths, cattle-breeding, epidemiological data, environment, management, proposed control measures, extensive review

Animal husbandry
Fabiyi, J. P., 1972, Bull. Epizoot. Dis. Africa, v. 20 (3), 229-234
survey of helminths of chickens, comparison of techniques of management (native extensive, deep-litter (intensive) and semi-intensive systems) on worm burden; suggested preventive measures and treatment with piperazine: Vom area, Benue-Plateau State, Nigeria

Animal husbandry
Gemmell, M. A., 1976, Research Vet. Sc., v. 21 (2), 220-222
Taenia hydatigena, estimations of build-up and dispersion patterns of eggs on a lamb pasture after introduction of infected dogs, implications for animal management practices

Animal husbandry
Gibson, T. E.; and Everett, G., 1977, Brit. Vet. J., v. 133 (4), 360-364
Ostertagia circumcincta, lambs, different levels of larval intake to simulate seasonal pasture conditions, effect on fecal egg output, possible grazing management regimes to reduce worm infections

Animal husbandry
Gibson, T. E.; and Everett, G., 1977, Brit. Vet. J., v. 133 (6), 559-563
Ostertagia circumcincta, sheep, pasture larval infection and fecal egg output lower in resistant animals (those with previous exper. infection and anthelmintic treatment), possible use of adult animals to graze contaminated paddocks as control measure

Animal husbandry
Gibson, T. E.; and Parfitt, J. W., 1972, Research Vet. Sc., v. 13 (6), 529-535
Trichostrongylus colubriformis, lambs, increased ability to develop resistance with increasing age, importance of grazing management designed to reduce hazard of infection for young animals

Animal husbandry
Golebiowski, S.; and Barancewicz, S., 1976, Med. Wet., v. 32 (7), 424-426
influence of polfamix, polfasol and dehelminthization with piperazine adipate, fattening of pigs

Animal husbandry
Johnson, J. C., jr.; Stewart, T. B.; and Hale, O. M., 1975, J. Parasitol., v. 61 (3), 517-524
responses of pigs to natural infections of Strongyloides ransomi and Ascaris suum and to superimposed artificial infection with Strongyloides ransomi: effects of breed (Duroc, Hampshire, Duroc-Hampshire crossbred), level of Strongyloides ransomi infection, and season (spring, fall) on performance of growing-finishing pigs

Animal husbandry
Knight, R. A.; Vegors, H. H.; and Glimp, H. A., 1973, Am. J. Vet. Research, v. 34 (3), 323-327
gastrointestinal nematodes, lambs, effect of breed and birth date on parasite acquisition: Clay Center, Nebraska

Animal husbandry
Kutiavin, G. G., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 155-158
echinococcosis, livestock, dependence of epizootiology upon timing of grazing and slaughtering: suggested control measures: Moldavia

Animal husbandry
Leinati, L.; Oberosler, R.; and Beber, L., 1972, Atti Soc. Ital. Sc. Vet., v. 26, 479-481
Hypoderm[a], bovine, control, disinfestation of mountain pastures by calcium cyanamide and by grazing of poultry, increased weight gain by cattle

Animal husbandry
Lesin'sh, K. P.; et al., 1975, Latvijas PSR Zinat. Akad. Vestis (340) (11), 27-30
helminths, chickens, effect of host age and method of rearing on infestation: Latvian SSR

Animal husbandry
Levine, N. D.; et al., 1975, Am. J. Vet. Research, v. 36 (10), 1459-1464
lambs grazing with their ewes under 2 pasture rotation systems, lambs under rotation had more nematodes and gained less weight than nonrotated control lambs, rotation is not recommended to control nematode parasitism of sheep in Illinois

Animal husbandry
Okon, E. D.; and Enyenihi, U. K., 1975, Bull. Office Internat. Epizoot., v. 83 (11-12), 1139-1144
Haemonchus contortus, Trichostrongylus colubriformis, lambs grazed on contaminated pastures, control by pasture rotation

Animal husbandry
Ollerenshaw, C. B., 1973, Ann. Fac. Med. Vet. Torino, v. 20, Suppl., 83-121
Fasciola hepatica, ecological factors contributing to epidemiology in Britain, speculations for Italy, need for field investigations

Animal husbandry
Rizzoli-Stalder, C.; et al., 1976, Schweiz. Arch. Tierh., v. 118 (9), 367-375
gastrointestinal parasites, horses, influence of pasturing and deworming on infestation, two test groups, higher infestation in group receiving regular anthelminthic treatment probably due to high density of animals on pasture

Animal husbandry
Roberts, C. J.; and Gray, A. R., 1973, Trop. Animal Health and Prod., v. 5 (4), 211-219
trypanosome-resistant cattle, production of animals of known origin and history for research into the nature of their trypanosome resistance, comparison of the breeding and growth performance of N'dama, Muturu, and Zebu cattle: northern Nigeria

Animal husbandry
Sewell, M. M. H., 1973, Vet. Rec., v. 94 (14), 371-372 [Letter]
anthelmintic treatment of ewes around lambing time to lessen gastrointestinal nematode worm burden in their lambs, variable results, review

Animal husbandry
Taylor, S. M.; et al., 1973, Vet. Rec., v. 93 (17), 461-464
Eimeria spp., lambs kept on straw bedding vs. expanded metal flooring showed higher fecal oocyst counts, diarrhea, greater weight loss, and some fatalities; causal agents of disease appear to be E. ninaekohl-yakimovae and/or E. arloingi with concurrent increase of intestinal Cl[ostridium] welchii type A

Animal husbandry
Utterback, W. W.; et al., 1972, Am. J. Vet. Research, v. 33 (1), 257-267
Anaplasma marginale, prevalence in cattle by herd location, survey 1969-1970, relationship of prevalence to variations in ecologic and management practices, predictive value of this data: northern California

Animal husbandry
Utterback, W. W.; et al., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 3-11
Anaplasma marginale, cattle, prevalence with respect to breed, sex, age, management practices, and ecologic factors: Northern California

Animal husbandry
Vlassoff, A., 1976, N. Zealand J. Exper. Agric., v. 4 (3), 281-284
trichostrongyle larvae on pasture, seasonal incidence, residual pasture infestation more important than ewes as source of infection for lambs in spring, autumn infections acquired from eggs passed by lambs themselves: New Zealand

Animal husbandry
Wilson, G. I.; Blachut, K.; and Roberts, I. H., 1977, Research Vet. Sc., v. 22 (3), 292-297
Psoroptes ovis, infectivity to sheep introduced into naturally contaminated enclosures after periods of vacancy (under conditions in southwestern United States), recommended time lapse before contaminated animal enclosures can be used by clean sheep; experimental transfer of mites to sheep following periods of off-host storage at various temperatures, mite survival rate

Animal husbandry
Yazwinski, T. A.; and Gibbs, H. C., 1975, Am. J. Vet. Res., v. 36 (11), 1677-1682
helminth infections, survey, dairy cattle of various age groups, seasonal worm population dynamics, relation of farm management practices to degree of parasitism: Maine

Anomalies, Host
Baron, J.; et al., 1969, Pediatrics, Am. Acad. Pediat., v. 44 (6), 932-939
Toxoplasma gondii, survey of microcephalic, mentally retarded and normocephalic children for evidence of Toxoplasma antibodies, no correlation between abnormality and serologic findings

Anomalies, Host
Calvani, M.; et al., 1976, Pediatria, Napoli, v. 84 (2), 287-297
toxoplasmosis, newborn infant with multiple anomalies born to toxoplasmic-infected mother who had received several preventive vaccinations just after conception, case report, discussion of possible causes of the embryopathy

Anomalies, Host
Shin, Y. H.; Glass, L.; and Evans, H. E., 1976, Pediat. Ann., v. 5 (2), 106-113
Toxoplasma gondii, congenital toxoplasmosis as possible cause of birth defects and teratogenic changes, clinical review

Anomalies, Parasite
Arme, C., 1975, J. Parasitol., v. 61 (3), 457
Ligula intestinalis, plerocercoid, morphologically abnormal specimen, from Rutilus rutilus: Yorkshire, England

Anomalies, Parasite
Cerna, Z., 1974, J. Protozool., v. 21 (4), 481-482
Isospora lacazei oocysts, anomalous sporulation, resemblance to Caryospora

Anomalies, Parasite
Deters, D. L.; and Nollen, P. M., 1976, J. Parasitol., v. 62 (2), 324-325
Schistosoma haematobium males, anomalous presence of oocytes in testes

Anomalies, Parasite
Eichler, W., 1976, Ang. Parasitol., v. 17 (2), 100-101
Columbicola c. columbae, teratology, females

Anomalies, Parasite
Glowniak, C., 1975, Przegl. Zool., v. 19 (2), 269-270
Prosthogonimus ovatus, anomaly of alimentary canal

Anomalies, Parasite
Goldstein, P., 1977, J. Parasitol., v. 63 (4), 689
Ascaris suum, females, presence of extra reproductive tract in 23 of 2000 worms dissected

Anomalies, Parasite
Harpur, R. P., 1975, J. Parasitol., v. 61 (5), 881
Ascaris suum, specimen with three uteri

Anomalies, Parasite
Jadin, J. M., 1975, J. Protozool., v. 22 (3), 82A [Abstract]
trypanosomes, anomalies in flagellar ultrastructure

Anomalies, Parasite
Jain, P. C., 1974, Indian J. Animal Sc., v. 43 (8), 1973, 796-797
Moniezia benedeni, M. expansa, presence of double rows of interproglottidal glands: India

Anomalies, Parasite
Kulkarni, D.; Venkataratnam, A.; and Emaduddin, M., 1972, Indian Vet. J., v. 49 (9), 951-952
occurrence of double number of interproglottidal glands in Moniezia expansa, sheep and goats: Mahabubnagar and Nalagonda districts

Anomalies, Parasite
Larson, O. R., 1977, J. Parasitol., v. 63 (2), 395
Neopolystoma orbiculare, specimen with abnormal opisthaptor

Anomalies, Parasite
Lushbaugh, W. B.; McGhee, R. B.; and Singh, S. D., 1976, J. Protozool., v. 23 (1), 127-134
Plasmodium gallinaceum, erythrocytic stages in embryonic and neonate chicks, abnormal morphology and development associated with adaptation to immature host

Anomalies, Parasite
Mohandas, A., 1975, J. Helminth., v. 49 (3), 167-171
recovery of sporocysts capable of producing miracidia from upper branchial chamber of Melania tuberculata and M. scabra, description, histochemistry, discussion of this developmental anomaly: Chackai Canal, Trivandrum, India

Anomalies, Parasite
Moser, M.; Noble, E. R.; and Lee, R. S., 1976, J. Parasitol., v. 62 (5), 685-689
Myxidium coryphaenoidium, presence of 2 spore forms interpreted as result of polymorphism and not as mixed infection of 2 species; abnormal spores superficially resemble other Myxidium spp. and other genera (Myxobolus, Zschokkella, Auerbachia)

Anomalies, Parasite
Nasir, P., 1973, Riv. Parassitol., Roma, v. 34 (3), 169-180
cercarial biology: developmental anomalies; emergence in relation to light, host starvation, temperature, rough handling of host or changed environment, and number of parthenitae within snails

Anomalies, Parasite
Nosek, J.; and Rehacek, J., 1977, Biologia, Bratislava, s. B, Zool., v. 32 (2), 101-103
abnormalities in laboratory bred Hyalomma dromedarii apparently due to hormonal disorder rather than mechanical injury

Anomalies, Parasite
Porchet, E.; and Dubremetz, J. F., 1976, J. Protozool., v. 23 (4), 18A [Abstract]
Globidium gilruthi, formation of supernumerary conoids during course of schizogony

Anomalies, Parasite
Prudhoe, S.; and Hussey, C. G., 1977, Zoologica Africana, v. 12 (1), 113-147
Gyrodactylus sp., "The systematic relationship of this specimen in [sic] problematical, because it may be specifically different from G. transvaalensis merely on the grounds of size, or it may be a giant form of that species."

Anomalies, Parasite
Richardson, L. R., 1976, J. Parasitol., v. 62 (5), 847-848
pathological giantism in Goddardobdella elegans infecting cattle (teat-cisterns): vicinity of Townsville, northeastern Queensland

Anomalies, Parasite
Roman, E.; and Pichot, J., 1975, Acta Trop., v. 32 (4), 349-352
Ctenophthalmus assimilis assimilis, anomalous female specimen

Anomalies, Parasite
Sahba, G. H.; and Malek, E. A., 1977, J. Parasitol., v. 63 (5), 947-948
Heterobilharzia americana, hermaphroditic female

Anomalies, Parasite
Sivanandam, S.; and Dondero, T. J., jr., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (1), 93-94 [Demonstration]
Brugia malayi, comparison of measurements of abnormally long microfilariae recovered from man and cat, probably represents abnormal, possible mutant form of periodic B. malayi

Anomalies, Parasite
Smit, F. G. A. M., 1977, Rev. Zool. Africaine, v. 91 (1), 198-199
Echidnophaga gallinacea, abnormal chaetotaxy of distitarsomeres

Anomalies, Parasite
Smyth, J. D., 1976, Norwegian J. Zool., v. 24 (4), 469 [Abstract]
Echinococcus granulosus, E. multilocularis, strobilar differentiation by culturing in vitro, anomalous differentiation

Anomalies, Parasite
Sowinska, A., 1975, Przegl. Zool., v. 19 (2), 270-273
Ascaris suum, structural anomalies of female reproductive system

Anomalies, Parasite
Stammers, B. M., 1976, Research Vet. Sc., v. 20 (2), 174-179
Fasciola hepatica, sheep (exper.), effects of nitroxynil administered at various intervals after infection on flukes surviving treatment (occurrence of structurally abnormal flukes, deleterious effect on fluke growth and egg hatchability, reduced faecal egg counts)

Anomalies, Parasite
Ulmer, M. J.; and James, H. A., 1976, Proc. Helminth. Soc. Washington, v. 43 (2), 191-200
Ophiotaenia saphena, anomalies involving supernumerary genitalia

Anomalies, Parasite
Vargas-Mena, J.; and de Brondo, M. C., 1967, Bol. Chileno Parasitol., v. 22 (2), 53-55
Taenia pisiformis, T. taeniaeformis, teratologic specimens

Antigens. See Immunity, Antigens.

Appendicitis. See Appendix.

Appendix
Angate, Y.; et al., 1974, Medecine Afrique Noire, v. 21 (1), 61-65
symptoms of acute abdomen resulting from human intestinal parasites, medical and surgical care, case reports: Abidjan, Ivory Coast

Appendix
Baljozovic, A.; and Popovic, M., 1971, Med. Glasnik, v. 25 (11-12), 392-393
perforation of man's appendix caused by ascariasis, case report: Beograd

Appendix
Di Guardo, G.; and Pampiglione, S., 1972, Parassitologia, v. 14 (1), 115-119
Enterobius vermicularis, Taenia sp., prevalence in appendices surgically excised: Luino

Appendix
Edington, G. M.; Nwabuebo, I.; and Junaid, T. A., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 153-162
Schistosoma haematobium in humans, review of autopsies for pathologic changes in appendix, brain, pancreas and reproductive organs, relationship of pathologic findings and egg burden to infection intensity: Ibadan, Nigeria

Appendix
Kenney, M.; et al., 1976, Am. J. Clin. Path., v. 66 (5), 786-791
intestinal myiasis discovered at post-mortem examinations, appendices of 2 men contained tentatively identified Sarcophaga sp. and Phormia regina respectively: New York

Appendix
Palinacci, C.; Ramiara, Y.; and Laroche, R., 1972, Medecine Trop., v. 32 (6), 755-757
appendectomy in man with amoebiasis resulting in cecal fistula and cutaneous amoebiasis, case report, cure with metronidazole

Appendix
Payne, J. E., 1970, Med. J. Australia, v. 1 (15), 768-769
Taenia saginata segments found in appendix of woman submitting to surgical abdominal exploration for abdominal pain of undiagnosed etiology, case report: New South Wales, Australia

Appendix
Privitera, P.; and Privitera, U., 1972, Minerva Chir., v. 27 (16), 899-906
human oxyuriasis resulting in appendicitis, case reports, clinical management: Italy

Appendix
Schmid, H., 1972, Pathol. et Microbiol., v. 38 (5), 362-374
Schistosoma haematobium, human bilharzial appendicitis, qualitative and quantitative histopathologic survey: Tanzania

Appendix
Schneider, J., 1969, Med. Proc., Johannesburg, v. 15 (19), 342-344
bilharziasis with particular reference to South Africa, review: uncommon clinical pictures of intestinal bilharziasis; bilharziasis of peritoneum; bilharziasis and appendix

Appendix
Smedresman, P., 1977, Clin. Pediat., Philadelphia, v. 16 (2), 197
Ascaris lumbricoides as cause of appendicitis in young girl, case report, medical management: New York City (lived previously in South Carolina)

Appendix
Spay, G., 1974, Medecine Afrique Noire, v. 21 (1), 55-58
surgical emergencies and manifestations in course of human intestinal ascariasis, differential diagnosis: Caboul, Afganistan

Archeology. See Parasitology, History.

Argentina
Cantor, D. S.; et al., 1966, Bol. Chileno Parasitol., v. 21 (3), 70-76
small bowel studies of humans with single and mixed parasitic infections to correlate pathology and fecal fat excretion
(Necator americanus; Taenia sp.; Giardia lamblia; Trichuris trichiura; Entamoeba histolytica; Ascaris lumbricoides; Enterobius vermicularis; Hymenolepis nana; Strongyloides stercoralis)

Argentina
Lombardero, O. J.; Moriena, R. A.; and Schiffo, H. P., 1976, Gac. Vet., Buenos Aires (310), v. 38, 143-169
incidence of cattle verminous gastro-enteritis: North area of Province of Corrientes (Argentine Republic)
(Haemonchus sp.; Cooperia sp.; Ostertagia sp.; Oesophagostomum sp.; Trichostrongylus sp.; Bunostomum sp.; Strongyloides sp.; Neoascaris vitulorum; Trichuris ovis; Moniezia sp.; Eimeria bovis; E. zurnii; E. sp.)

Argentina
Rivas de Lopez, L. C.; and Lopez, J. R., 1976, Acta Bioquim. Clin. Latinoam., v. 10 (2), 127-130
incidence of parasites, infants, age and sex: La Plata and surroundings, Argentina (Giardia intestinalis; Oxyuris vermicularis; Entamoeba coli; Blastocystis hominis; Trichuris trichiura; Hymenolepis nana; Ascaris lumbricoides; Chilomastix mesnili; Trichomonas hominis; Necator americanus; Strongyloides stercoralis; Taenia saginata)

Arizona. See United States, Arizona.

Arkansas. See United States, Arkansas.

Arrested development. See Development.

Arthritis
Bourrel, P.; and Delatte, P., 1972, Medecine Trop., v. 32 (3), 291-294
calcified filaria of Dracunculus medinensis localized in boney areas and joints, differential diagnosis from osteo-arthritis, humans

Arthritis
Dorfmann, H.; and de Seze, C., 1972, Nouv. Presse Med., v. 1 (15), 1013-1016
dracunculosis in man, filarial arthritic infection in man's knee joint diagnosed by arthroscopy, clinical case report: France (had resided in Mali)

Arthritis
Doury, P.; et al., 1975, Nouv. Presse. Med., v. 4 (11), 805 [Letter]
Strongyloides stercoralis in elderly woman resulting in symptoms of arthritis with multiple joint involvement, relief of symptoms after thiabendazole therapy: Paris

Arthritis
Ismail, M. M.; and Nagaratnam, N., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 405-409
filariasis as possible cause of arthritis, clinical features and laboratory findings in 33 cases, age distribution, diethylcarbamazine treatment gave good results: Sri Lanka

Arthritis
Nagaratnam, N.; and Ismail, M. M., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (6), 803-807
comparative study of 101 cases of rheumatic fever and arthritis believed to be of filarial origin, borderline cases where aetiology in doubt

Arthritis
Salfield, S., 1975, Med. J. Australia, v. 1 (9), 264-267
clinical report of 19 cases of human arthritis attributed to filarial Wuchereria bancrofti, good response to treatment with diethylcarbamazine: Papua New Guinea

Arthus' phenomenon. See Immunity, Skin tests.

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Romaschov, V. A., 1969, Acta Parasitol. Polon., v. 17 (1-19), 55-64
helminth fauna, aboriginal Castor fiber colonies in Eurasia, comparisons, review

Asthma
Alcasid, M. L. S.; et al., 1973, N. York State J. Med., v. 73 (13), 1786-1788
human intestinal parasites, no significant correlation with bronchial asthma, results of study with control and asthmatic groups: New York

Asthma
Boucher, R. C.; et al., 1977, J. Allergy and Clin. Immunol., v. 60 (2), 134-140
Ascaris suum-sensitive Macaca mulatta, airway mucosal permeability

Asthma
Carney, I. F., 1976, Internat. Arch. Allergy and Applied Immunol., v. 50 (3), 322-328
Trichinella spiralis, guinea pigs, IgE-mediated anaphylactic bronchoconstriction, severity reduced by disodium cromoglycate treatment

Asthma
Carswell, F.; Meakins, R. H.; and Harland, P. S. E. G., 1976, Lancet, London (7988), v. 2, 706-707
Ascaris, no evidence that infection in humans suppresses development of asthma, clinical survey in endemic area: Tanzania

Asthma
Cotton, D. J.; et al., 1977, J. Applied Physiol.: Respiratory, Environmental and Exercise Physiol., v. 42 (1), 101-106
Ascaris suum antigen inhalation by dogs, rapid shallow breathing, results indicate that vagal afferent pathways mediate antigen-induced tachypnea and this response does not primarily depend on bronchoconstriction

Asthma
Farzan, S., 1970, N. England J. Med., v. 282 (22), 1273 [Letter]
Ascaris lumbricoides in asthmatic persons, generally a concomitant occurrence rather than cause of asthma

Asthma
Guement, J. M., 1972, Maroc Med. (555), v. 52 171-178
man, filariasis presenting as bronchial asthma and rhinosinusitis, case report, diethylcarbamazine: Maroc, previously from South Pacific area

Asthma
Guement, J. M., 1973, Nouv. Presse Med., v. 2 (32), 2125 [Letter]
human ascariasis, possible associations with bronchial asthma and rhinitis

Asthma
Huntley, C. C., 1976, N. England J. Med., v. 294 (23), 1295 [Letter]
Toxocara canis in children, speculation on role of parasite in stimulating IgE antibody levels with resulting allergy to antigen and in turn occurrence of asthma

Asthma
Kok, A.; and Robinson, M. J., 1976, Lancet, London (7986), v. 2, 633
parasitism in children, possible correlations with asthma and allergy: tropical Malaysia

Asthma
Krasa, E.; and Kaupeny, M., 1977, Paediat. u. Paedol., v. 12 (1), 73-78
children with Enterobius vermicularis and associated asthma or broncho-pulmonary conditions, mebendazole therapy highly effective

Asthma
Obtulowicz, K., 1972, Polski Tygod. Lekar., v. 27 (8), 296-298
human intestinal parasites, possible role in etiology of asthma and other allergic conditions

Asthma
Osvath, P.; and Endre, L., 1975, Orvosi Hetilap, v. 116 (24), 1398-1400
use of tick extract to hyposensitize children with bronchial asthma

Asthma
Pare, P. D.; Michoud, M.-C.; and Hogg, J. C., 1976, J. Applied Physiol., v. 41 (5, pt. 1), 668-676
Ascaris suum-sensitive Macaca mulatta, lung mechanics following antigen challenge as an animal model for human asthma

Asthma
Patterson, R.; and Harris, K. E., 1975, Internat. Arch. Allergy and Applied Immunol., v. 48 (3), 381-390
Ascaris-induced model of asthma in rhesus monkeys and dogs, arterial and muscle oxygen tension as additional parameter for assessment of model

Asthma
Patterson, R.; Irons, J. S.; and Harris, K. E., 1975, Internat. Arch. Allergy and Applied Immunol., v. 48 (3), 412-421
Ascaris-induced reagin-mediated model of asthma in rhesus monkey, potentiating effect of D_2O studied with double aerosolized antigen challenge technique

Asthma
Teisanu, E.; and Popescu-Tomus, D., 1971, Oto-Rino-Laringol., v. 16 (4), 265-269
Trichomonas vaginalis, human sinusitis resulting from parasitic infection, associated asthma, case reports: Romania

Asthma
Turner, K. J.; Baldo, B. A.; and Anderson, H. R., 1975, Internat. Arch. Allergy and Applied Immunol., v. 48 (6), 784-799
humans, serum IgE levels, no significant correlation with faecal egg counts to hookworm, Ascaris lumbricoides, and Trichuris, incidence of IgE antibodies to Ascaris lumbricoides not correlated with incidence of asthma but significantly elevated in patients with chronic obstructive lung disease, hypersensitivity to Ascaris apparently not factor of importance in etiology of asthma in this area: Highland area of Papua-New Guinea

Atmospheric pressure. See Pressure, Atmospheric.

Attachment
Amin, O. M.; and Sewell, R. G., 1977, Am. Midland Nat., v. 98 (1), 207-212
Orchopeas h. howardii, Megabothris acerbus, numerical and structural variations of pronotal spines; field sex ratios of both flea species were closely related to the ratio of mean number of pronotal spines in females/males which supports proposed function of pronotal combs in locking onto host hairs and their suggested contribution in affecting sex ratio

Attachment
Andersen, K., 1976, Fauna, Oslo, v. 29 (1), 1-20
helminth adaptation to life in vertebrate intestine, cysts, attachment organs, structure of tegument, immune response, site selection, evolution, extensive review

Attachment
Baker, R. A., 1976, J. Invert. Path., v. 27 (3), 371-376
Unionicola intermedia, structure of pedipalps and attachment to Anodonta anatina, damage to host gill tissue, cellular response of host

Attachment
Bannister, L. H.; Butcher, G. A.; and Mitchell, G. H., 1977, J. Protozool., v. 24 (2), Suppl., 6A [Abstract]
Plasmodium knowlesi, P. yoelii, extracellular erythrocytic merozoites, nature of cell surface, adhesion with other cells

Attachment
Beverley-Burton, M.; and Logan, V. H., 1976, J. Parasitol., v. 62 (1), 148-151
Quinqueserialis quinqueserialis, Notocotylus urbanensis, ventral papillae, histochemistry, structure and ultrastructure, results suggest function as specialized non-glandular adhesive organs

Attachment
Bianco, A. E.; and Muller, R. L., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 383 [Demonstration]
Haemaphysalis leachii leachii as vector of Ackertia globulosa for rodent hosts, tick attachment and adaptations in both tick and nematode life cycles which enable tick to serve as vector

Attachment

Cappuccinelli, P.; Cagliani, I.; and Cavallo, G., 1975, Experientia, v. 31 (10), 1157-1159

Trichomonas vaginalis, involvement of surface concanavalin A-binding glycoprotein in adhesion to glass

Attachment

Chinery, W. A., 1973, J. Med. Entom., v. 10 (4), 355-362

Haemaphysalis spinigera, cement substance at site of attachment and feeding, derived from salivary glands, histochemical study

Attachment

Grimes, L. R.; and Miller, G. C., 1976, J. Parasitol., v. 62 (3), 434-441

Monobothrium ulmeri, Biacetabulum meridianum, and Penarchigetes sp. in Erimyzon oblongus, seasonal periodicity or lack of, mean intensities in male and female hosts, distribution and methods of attachment in host: Lake Raleigh, North Carolina

Attachment

Haas, W., 1976, Ztschr. Parasitenk., v. 49 (1), 63-72

Schistosoma mansoni cercariae, attachment response, stimulated by temperature rise, reactions to animal substance in substrate (human, swine, fish, frog, snail, cercariae)

Attachment

Holberton, D. V., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 29-30 [Demonstration]

Giardia, mechanism of attachment to wall of small intestine

Attachment

Hommel, M.; and Robertson, E., 1976, Experientia, v. 32 (4), 464-466

Trypanosoma blanchardi, in vitro system for study of attachment of trypanosomes to plastic (polystyrene flasks) by means of hemidesmosomes, significance of this type of attachment unknown, reproduces natural stage in life cycle

Attachment

Jones, A., 1975, J. Helminth., v. 49 (4), 251-261

Bothriocephalus scorpii, external feature of scolex and strobila, attachment and pathology, segmentation, morphology and sequence of development of reproductive organs, pseudoapolysis, ultrastructure of tegument, ultrastructure and histology of scolex, sense organs, littoral fishes: Wales

Attachment

Kabata, Z., 1968, J. Nat. Hist., v. 2 (4), 497-504

Shiinoa occlusa, unique mode of attachment, Scomberomorus commersoni (gill filaments): off Green Island, Queensland

Attachment

Kemp, D. H.; et al., 1976, Parasitology, v. 73 (1), 123-136

Boophilus microplus on British breed cattle with different resistance levels, growth and attachment behaviour of larvae, desiccation of larvae in environment of host skin, movement to and accumulation in favored sites

Attachment

Killick-Kendrick, R.; et al., 1977, Proc. Roy. Soc. London, s. B, Biol. Sc. (1131), v. 198, 191-199

Leishmania braziliensis in Lutzomyia longipalpis (exper.), development and attachment of parasites in ileum and pylorus

Attachment

Killick-Kendrick, R.; Molyneux, D. H.; and Ashford, R. W., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 269 [Demonstration]

Leishmania mexicana amazonensis, ultrastructure, attachment in mid-gut and proventicular fold of experimentally infected Lutzomyia longipalpis

Attachment

Kundin, W. D.; Nadchatram, M.; and Keong, A., 1972, J. Med. Entom., v. 9 (6), 558-559

Malaysian trombiculid mites, duration of attachment of larvae on laboratory mice and rats, data for estimation of population densities

Attachment

Lauge, G.; and Nishioka, R. S., 1977, J. Morphol., v. 154 (2), 291-305

Leptomonas oncopelti, ultrastructure, mode of attachment to gut wall of Oncopeltus fasciatus

Attachment

Lindsay, J. A.; and Moran, R. L., 1976, Tr. Am. Fish. Soc., v. 105 (2), 327-332

Lironeca ovalis, Olencira praegustator, incidence, attachment, various fish species

Attachment

Liston, A. J.; and Baker, J. R., 1977, J. Protozool., v. 24 (4), 41A [Abstract]

Trypanosoma dionisii, attachment and entry to mouse peritoneal macrophages in vitro and involvement of membrane receptors, relative roles of non-specific and specific immunological factors in these processes need further clarification

Attachment

Lom, J., 1977, J. Protozool., v. 24 (2), Suppl., 16A [Abstract]

"Oodinium" pillularis trophonts, mode of attachment to gill surface of Puntius conchonius

Attachment

MacKinnon, B., 1977, Parasitology, v. 75 (2), ii [Abstract]

Quinqueserialis quinqueserialis, development of 'ventral glands', these structures probably function in adhesion and the large number of mitochondria suggest that they may also function in respiration

Attachment

MacMillan, W. G., 1975, J. Protozool., v. 22 (3), 42A [Abstract]

nature of cell junction between Nematocystis magna and an epithelial cell of its host Lumbricus terrestris

Attachment
Molyneux, D. H.; and Ashford, R. W., 1975, Ann. Parasitol., v. 50 (3), 265-274
Trypanosomatidae in Peromyscopsylla silvatica spectabilis (hindgut) collected from Microtus agrestis, ultrastructure, method of attachment, first record of flagellates from this flea

Attachment
Nakata, K., 1975, Eisei Dobutsu (Japan. J. San. Zool.), v. 27 (2), 189-194
trombiculid mites, seasonal fluctuations of larvae, difference of modes for attachment to rodents, incidence and number of species vary with vegetation types

Attachment
Ormieres, R.; and Marques, A., 1976, J. Protozool., v. 23 (4), 15A-16A [Abstract]
Echinomera, Grebnickiella, Dactylophorus, mode of fixation to host

Attachment
Overstreet, R. M., 1976, J. Parasitol., v. 62 (5), 702-708
Crassicutis archosargi, redescription, occurrence of numerous unidentified refractile bodies in tegument and other tissues, binding to host intestine by adhesive tegument, hyperparasitism by myxosporidan and Hexamita sp.

Attachment
Pifer, L. L.; Hughes, W. T.; and Murphy, M. J., jr., 1977, Pediat. Research, v. 11 (4), 305-316
Pneumocystis carinii, isolation and propagation in vitro using chick embryo epithelial lung cell cultures; scanning and transmission electron morphology, life cycle and cyst multiplication, attachment to host cells, RNA, DNA and protein synthesis, no active mechanism for motility observed

Attachment
Purnell, R. E.; et al., 1973, Isotopes and Radiation Parasitol. III, 139-144
Rhipicephalus appendiculatus (unfed nymphs; engorged nymphs; moulting nymphs; unfed adults), effects of irradiation assessed by evaluating subsequent performance of ticks when fed on rabbits (mortality, attachment, feeding, mating, egg-laying); effects of irradiation on Theileria parva in salivary glands of adult ticks

Attachment
Rajcani, J.; et al., 1976, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 236 (1), 1-9
Dermacentor reticulatus, D. marginatus, Haemaphysalis inermis, morphology of mouth parts, host reactions to feeding and attachment, encephalitis virus transmission

Attachment
Schleger, A. V.; et al., 1976, Austral. J. Biol. Sc., v. 29 (5-6), 499-512
Boophilus microplus larvae on cattle, cellular responses, degree of mast cell disruption, eosinophil concentration and degranulation and extent of epidermal vesiculation all greater in highly resistant hosts, possible immune mechanisms and effects on attachment and feeding

Attachment
Siebert, A. E.; and West, J. A., 1974, Protoplasma, v. 81 (1), 17-35
Haplozoon axiothellae, fine structure morphology, attachment cell, penetration stylet, reproduction, characteristics of theca

Attachment
Singotam, L.; and Dass, C. M. S., 1977, Indian J. Exper. Biol., v. 15 (9), 719-727
Grebneckiella pixellae, scanning electron microscopy of various life cycle stages reveals: epimerite as attachment organ to host gut epithelium, epicytic folds of body wall at various regions of trophozoite, changes in body folds during gamont formation and sexual dimorphism, syzygy, gamete formation, spore structure, possible role of epicytic folds in gregarine movement and absorption of nutrients

Attachment
Vickerman, K., 1973, J. Protozool., v. 20 (3), 394-404
Trypanosoma vivax, epimastigote stage, ultrastructural study in relation to mode of attachment in proboscis of Glossina fuscipes

Attachment
Wanchinga, D. M., 1977, Virginia J. Sc., v. 28 (2), 69 [Abstract]
Amblyomma maculatum, attachment and development on host albino rats deficient in vitamins (A, K, thiamine) and minerals (Ca, Na)

Attractants. [See also Host perception by parasites; Pheromones; Taxis]

Attractants
Anya, A. O., 1976, Advances Parasitol., v. 14, 267-351
physiological aspects of reproduction in nematodes, extensive review: range of reproductive phenomena; reproductive system; male and female gametes; physiology of fertilization; development; sex differentiation; nutrition and other factors in egg production; behavioural aspects of reproduction; reproductive phenomena and parasitism

Attractants
Anya, A. O., 1976, Internat. J. Parasitol., v. 6 (2), 173-177
Aspiculuris tetraptera, pattern of the sex attraction phenomenon, origin of attractant secretions

Attractants
Bone, L. W.; and Shorey, H. H., 1977, J. Parasitol., v. 63 (5), 845-848
Nippostrongylus brasiliensis, interactive influences of male- and female-produced pheromones on male attraction to female

Attractants
Bone, L. W.; Shorey, H. H.; and Gaston, L. K., 1977, J. Parasitol., v. 63 (2), 364-367
Nippostrongylus brasiliensis, mutual heterosexual attraction in vitro, pheromonal dosage response, homosexual trials

Attractants
Coppedge, J. R.; et al., 1977, Environment. Entom., v. 6 (1), 66-68
Cochliomyia hominivorax, reproductive status of females captured from traps baited with swormlure, swormlure-2, and liver, results indicate that swormlure-2 more attractive than swormlure and at least as attractive as liver; more unmated female flies attracted to swormlure-2 than to liver

Attractants
Coppedge, J. R.; and Snow, J. W., 1977, Southwest. Entom., v. 2 (2), 57-61
Cochliomyia hominivorax, seasonal occurrence and responses to liver and "swormlure" as attractants, similar responses to both: subtropical Texas

Attractants
DeVaney, J. A.; et al., 1973, J. Med. Entom., v. 10 (6), 591-595
Cochliomyia hominivorax, attractancy of bovine blood fractions incubated and inoculated with known bacteria species resulted from bacteria and/or from compounds produced by them

Attractants
Dukes, J. C.; and Rodriguez, J. G., 1976, J. Kansas Entom. Soc., v. 49 (4), 562-566
Dermacentor variabilis, Amblyomma americanum, Rhipicephalus sanguineus, choice tube bioassay to measure responses to various host odors and several chemical compounds

Attractants
Fried, B.; and Gioscia, R. M., 1976, J. Parasitol., v. 62 (2), 326-327
Leucochloridiomorpha constantiae, tentative identification of cholesterol as chemoattractant for metacercarial pairing

Attractants
Guillot, F. S.; et al., 1977, Southwest. Entom., v. 2 (1), 49-52
Cochliomyia hominivorax, reproductive status of female screwworms captured from a host compared with those captured in traps baited with swormlure 2 or liver; baits attracted nulliparous and vitellogenic females, not effective for postvitellogenic females

Attractants
Layton, E. C.; and Sonenshine, D. E., 1975, J. Med. Entom., v. 12 (3), 287-295
Dermacentor viariabilis, D. andersoni, females, structure of glands associated with foveae dorsales, histology and scanning electron microscopy, changes during feeding, possible role in sex pheromone activity

Attractants
Leahy, (Sr.) M. G.; et al., 1975, J. Med. Entom., v. 12 (3), 284-287
Ornithodoros moubata, female assembly pheromone induces male assembly; male pheromone induces male and female aggregation; extraction of female pheromones; removal of olfactory sensillae reduces or eliminates response

Attractants
Leahy, M. G.; et al., 1976, Vet. Parasitol., v. 1 (3), 249-256
Rhipicephalus appendiculatus, attraction of male to female ticks in relation to feeding, results suggest possible existence of female sex pheromone

Attractants
MacInnis, A. J.; Bethel, W. M.; and Cornford, E. M., 1974, Nature (5446), v. 248, 361-363
amino acids in snail-conditioned water (Biomphalaria glabrata) acting as attractants for Schistosoma mansoni miracidia, potential use in combination with schistosomacides and molluscicides for combined snail and trematode control

Attractants
Mason, P. R.; and Fripp, P. J., 1976, J. Parasitol., v. 62 (5), 721-727
Schistosoma mansoni, miracidial movement in relation to age, temperature, pH, light intensity, light shock, and snail-conditioned water, dark-ground photographic technique

Attractants
Prechel, D. P.; Cain, G. D.; and Nollen, P. M., 1976, J. Parasitol., v. 62 (5), 693-697
Megalodiscus temperatus miracidia, responses to amino and sialic acids found in snail (Helisoma trivolvis)-conditioned water

Attractants
Rechav, Y.; Whitehead, G.B.; and Knight, M.M., 1976, Nature, London (5544), v. 259, 563-564
Amblyomma hebraeum, aggregation response of nymphs to pheromone(s) produced by males

Attractants
Roberts, T. M.; and Thorson, R. E., 1977, J. Parasitol., v. 63 (5), 849-853
Nippostrongylus brasiliensis, characterization of pheromone which attracts females (lipid fraction of excretory and secretory products of both males and females), that from immune-damaged females was not attractive

Attractants
Sonenshine, D. E.; et al., 1976, J. Chem. Ecol., v. 2 (2), 201-209
Dermacentor andersoni, D. variabilis, 2,6-dichlorophenol identified as sex pheromone, probably occurs generally throughout metastriate Ixodidae

Attractants
Sponholtz, G. M.; and Short, R. B., 1976, J. Parasitol., v. 62 (1), 155-157
Schistosoma mansoni, miracidia, stimulation by snail (Biomphalaria glabrata)-conditioned water, evidence that lowered calcium/magnesium ratio may be important in attracting miracidia to snails

Attractants
Stibbs, H. H.; et al., 1976, Nature, London (5553), v. 260, 702-703
magnesium emitted by Biomphalaria glabrata alters swimming behaviour of Schistosoma mansoni miracidia

Attractants
Stringfellow, F., 1974, Proc. Helminth. Soc. Washington, v. 41 (1), 4-10
Pelodera strongyloides, hydroxyl ion, attractant to males, introduction of therapeutic agents to block nematode attractant could significantly decrease reproductive potential

Attractants
Stringfellow, F., 1976, Proc. Helminth. Soc. Washington, v. 43 (2), 206-211
Pelodera strongyloides in culture, determination of presence and distribution of carbonic anhydrase in worms, addition of diamox to cultures resulted in inhibition of carbonic anhydrase, reduced quantity of ammonia nitrogen production, and decreased ability of worms to find each other

Attractants
Treverrow, N. L.; Stone, B. F.; and Cowie, M., 1977, Experientia, v. 33 (5), 680-682
Ixodes holocyclus, Aponomma concolor, aggregation pheromones demonstrated

Attractants
Wood, W. F.; et al., 1975, J. Chem. Ecol., v. 1 (4), 501-509
ixodid ticks, phenolic compounds as pheromones, sexual attractants, chemical extraction and bioassay

Australia
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273
monograph of Australian fleas

Australia
Dunstone, M., 1976, Med. J. Australia, v. 1 (3), 57-60
statistical review of common infectious diseases in Australia including human helminthiasis and Trichomonas

Australia
Kelly, J. D.; Ng, B. K. Y.; and Whitlock, H. V., 1976, Austral. Vet. Practitioner, v. 6 (2), 89-100
survey, helminths, dogs and cats, life cycle, epidemiology, diagnosis, treatment, recommendations, review: Australia

Australia
Wilkinson, P. R., 1971, Acarologia, v. 12 (3), 492-508
Boophilus microplus, factors affecting distribution in RTS (reputed tick scarcity) areas as compared to tick infested areas in surrounding districts: Australia

Australia, New South Wales
Cripps, A.; et al., 1975, Med. J. Australia, v. 2 (6), 214-218
health and social survey of children admitted to Sydney hospital from rural areas (Giardia lamblia; hookworm; Strongyloides stercoralis; Entamoeba histolytica): all from New South Wales

Australia, New South Wales
Dent, C. H. R.; and Kelly, J. D., 1976, Austral. Vet. J., v. 52 (8), 386-387 [Letter]
cestode prevalence survey in dogs: central tablelands, New South Wales (Spirometra erinacei; Dipylidium caninum; Echinococcus granulosus; Taenia hydatigena; T. pisiformis; T. ovis; T. serialis)

Australia, New South Wales
Ng, B. K. Y.; and Kelly, J. D., 1975, Internat. J. Zoonoses, v. 2 (2), 76-91
helminths of cats and dogs in urban environments, age and sex of host, seasonal distribution, public health implications: Sydney metropolitan area, Australia

Australia, New South Wales
Pavlov, P. M.; and Howell, M. J., 1977, Austral. Vet. J., v. 53 (12), 599-600 [Letter]
helminths of cats, survey: Canberra, New South Wales (Dipylidium caninum; Toxocara cati; Taenia taeniaeformis; Aleurostrongylus abstrusus; Spirometra erinacei; Cylicospirura felineus; Ollulanus tricuspis; Ancylostoma tubaeforme)

Australia, New South Wales
Ryan, G. E., 1976, Austral. Vet. J., v. 52 (5), 224-227
survey, gastrointestinal parasites, Felis catus, results indicate host uninvolved in epizootiology of parasites causing bovine cysticercosis (Taenia taeniaeformis; Spirometra erinacei; Dipylidium caninum; Toxocara cati; Uncinaria stenocephala; Ancylostoma spp.; Oncicola sp.; Taenia serialis; Cyathospirura dasyuridis; unidentified nematodes; Physaloptera spp.): all from New South Wales

Australia, Queensland
Kariks, J.; Woods, D.; and Harper, J., 1971, Med. J. Australia, v. 1 (7), 388-390
survey of causes of diarrhea in adults and children in mental hospitals (Entamoeba histolytica; E. coli; Giardia lamblia; Trichomonas hominis; Trichuris trichiura; Ancylostoma; Hymenolepis nana; Enterobius vermicularis; Strongyloides stercoralis; Balantidium coli): all from Queensland, Australia

Australia, Queensland
Mesina, J. E.; et al., 1974, Tropenmed. u. Parasitol., v. 25 (1), 116-127
feral rodents, survey to gain insight into any pathogens potentially harmful to man: North Queensland, Australia (Amplicaecum robertsi; Physocephalus sexalatus; Nippostrongylus brasiliensis; Hymenolepis diminuta; Moniliformis moniliformis; Syphacea obvelata; Polydelphis anoura; Filaroid spp.; Angiostrongylus spp?; Haemobartonella muris; Anaplasma marginale; Hepatozoon muris; Sarcocystis muris)

Australia, Queensland
Sandars, D. F.; and Bianchi, G. N., 1970, Med. J. Australia, v. 1 (6), 261-266
patients in institution for mental defectives, survey for intestinal parasites following an epidemic of amoebiasis (Entamoeba histolytica; E. coli; Giardia lamblia; Trichomonas hominis; Ancylostoma duodenale; Enterobius vermicularis; Hymenolepis nana; Trichuris trichiura): all from Queensland, Australia

Australia, Queensland
Welch, J. S.; and Stuart, J. E., 1975, Med. J. Australia, v. 1, suppl. 2, 14-16
longitudinal statistical parasite survey carried out in infants from birth to 2 years of age (Entamoeba histolytica; E. coli; Giardia lamblia; Trichomonas hominis; Enteromonas hominis; Dientamoeba fragilis; Ascaris lumbricoides; Strongyloides stercoralis; Trichuris trichiura; Hymenolepis nana): all from Queensland

Australia, South Australia
Bull, M.; and Smyth, M., 1973, Austral. J. Zool., v. 21 (1), 103-110
Aponomma hydrosauri, Amblyomma albolimbatum, A. limbatum, abutting allopatric distributions, water balance of nymphs and adults in relation to distribution: South Australia

Australia, South Australia
Smyth, M., 1973, Austral. J. Zool., v. 21 (1), 91-101
Aponomma hydrosauri, Amblyomma albolimbatum, A. limbatum, survey, distributions overlap remarkably little over long boundaries, roughly correlated with climate, vegetation, and, in one case, soil

Australia, Tasmania
Beard, T. C., 1969, Med. J. Australia, v. 2 (9), 456-459
control program for human echinococcosis in Tasmania, problems of health education of public

Australia, Western Australia
Stein, G. R.; and McCully, D. J., 1970, Med. J. Australia, v. 1 (17), 848-850
survey of major hospitals for statistical records of human echinococcosis, 1957-1967: Western Australia

Autoimmunity. See Immunity, Autoimmunity.

Autoinfection. See Disease transmission, Autoinfection.

Autoradiography. [See also Radiation; Radioisotopes]

Autoradiography
Albach, R. A.; et al., 1977, Exper. Parasitol., v. 42 (1), 248-259
Entamoeba histolytica, nuclear sites of RNA synthesis, autoradiographic analysis

Autoradiography
Bretana, A.; and O'Daly, J. A., 1976, Internat. J. Parasitol., v. 6 (5), 379-386
Trypanosoma cruzi, uptake of proteins from fetal calf serum needed for growth, methods for labelling and subsequent localization (immunofluorescence; autoradiography; colloidal gold)

Autoradiography
Hanna, R. E. B., 1976, Exper. Parasitol., v. 39 (1), 18-28
Fasciola hepatica, shell-protein and glycogen synthesis by vitelline follicles in tissue slices, light and electron microscope autoradiography

Autoradiography
Irvin, A. D., 1976, Vet. Rec., v. 98 (18), 351-356
fusion of Theileria parva-infected bovine lymphoid cells and hamster cells, detection of bovine/hamster heterokaryons by presence of H thymidine labelled nuclei and unlabelled nuclei in the same cell, autoradiography, possible use as laboratory model for East Coast fever, review

Autoradiography
Laurence, B. R.; and Simpson, M. G., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 12 [Demonstration]
Brugia spp., autoradiography and ultrastructure of filarial larvae development and metabolism in mosquito hosts, uptake of amino and nucleic acids

Autoradiography
Moore, G. A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 114 [Demonstration]
Schistosoma mansoni, changes in autoradiography both in vivo and in vitro after treatment with hycanthone

Autoradiography
Pfefferkorn, E. R.; and Pfefferkorn, L. C., 1977, Exper. Parasitol., v. 41 (1), 95-104
Toxoplasma gondii, growth in Lesch-Nyhan cells which are incapable of incorporating hypoxanthine or guanine as a technique for specific labeling of nucleic acids of intracellular parasites vs. their host cells, autoradiography

Autoradiography
Reid, W. A.; Phillips, S. M.; and Roscinski, R. J., 1977, Exper. Parasitol., v. 42 (2), 331-342
Schistosoma mansoni, radioisotope uptake and retention by cercariae and developing schistosomules, evaluation of this methodology for identifying selective worm populations and their products for prolonged periods of time

Autoradiography
Steiger, R.; and Jenni, L., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 293-294 [Abstract]
Trypanosoma brucei-infected salivary glands of Glossina morsitans, tracer experiments, transport, uptake, and deposition of labeled amino acids

Axenic culture. See Culture.

Bacteria
Aitken, M. M.; et al., 1976, Brit. Vet. J., v. 132 (1), 119-120
Fasciola hepatica, cattle (exper.), increased susceptibility to Salmonella dublin

Bacteria
Balauca, N., 1976, Arch. Exper. Vet.-Med., v. 30 (6), 903-912
Eimeria acervulina, E. necatrix, and E. mitis in cage-kept hens (exper.), mixed infections with Clostridium perfringens causing necrotic enteritis, little pathologic changes from mono-infections

Bacteria
Balauca, N.; et al., 1976, Arch. Exper. Vet.-Med., v. 30 (6), 913-923
E[imeria] acervulina, E[imeria] necatrix, and E[imeria] mitis in ground-kept hens (exper.), mixed infections with Clostridium perfringens causing necrotic enteritis, higher mortality in ground-kept hens than cage-kept hens

Bacteria
Barrett, R. A.; and Alexander, M., 1977, Applied and Environment. Microbiol., v. 33 (3), 670-674
Acanthamoeba, susceptibility of cysts to microbial and enzymatic degradation in soil and in vitro

Bacteria
Barsoum, R. S.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 387-391
human hepatosplenic schistosomiasis with renal involvement and associated renal salmonellosis, possible relationships in pathogenesis of renal lesions

Bacteria
Basch, P. F., 1971, Nature (5320), v. 233, 492-493
Schistosoma spindale, infection of adult worms with gram-positive cocci, highly invasive and pathogenic, likely that bacteriaemia in mouse host led to infection of schistosomes

Bacteria
Beer, R. J.; and Rutter, J. M., 1972, Research Vet. Sc., v. 13 (6), 593-595
Trichuris suis, weaned pigs (exper.), syndrome resembling swine dysentery, demonstration of spirochaetal invasion of colonic mucosa, possible significance of association of nematode and bacteria

Bacteria
Bekkouche, Z.; and Dupouy, J., 1976, Ztschr. Parasitenk., v. 48 (3-4), 298-299 [Abstract]
Polystoma integerrimum, bacteria in cytoplasm of somatic cells and ovocytes, no cell alteration, may be considered symbiotic

Bacteria
Boorman, G. A.; et al., 1973, Lab. Animal Sc., v. 23 (2), 187-193
Hexamita muris, Giardia muris, potentially pathogenic in newly weaned mice, causing enteritis and mortality in association with normal intestinal bacterial flora, quinacrine dihydrochloride not effective in reducing mortality, dimetridazole effective

Bacteria
Bos, H. J.; and Hage, A. J., 1975, Ztschr. Parasitenk., v. 47 (2), 79-89
Entamoeba histolytica, virulent and carrier strains from humans, cultured axenically or with bacteria or Crithidia or passaged through hamster liver, varying virulence in experimental hamster liver infections

Bacteria
Bosworth, W.; and Ewert, A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (1), 21-25
Brugia malayi in cats (exper.), added infection of beta haemolytic streptococcus to hind leg regions resulted in elephantiasis, patterns of infections reversible with collateral lymphatic vessels developing

Bacteria
Bosworth, W.; Ewert, A.; and Flores, A. E., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 255-259
Brugia malayi, cats (exper.), determination of antistreptolysin O titers in filariasis and comparison of titers in combined filariasis and streptococcal involvement, attempted correlation with observable pathology

Bacteria
Camargo, E. P.; and Freymuller, E., 1977, Nature, London (5632), v. 270, 52-53
Crithidia, presence of ornithine carbamoyltransferase in species harboring bacteria-like endosymbionts (C. deanei, C. oncopelti) enables these species to synthesize arginine from ornithine thereby conferring a nutritional advantage on the protozoan host

Bacteria
Chang, K.-P., 1974, J. Protozool., v. 21 (5), 699-707
ultrastructural evidence suggests that bipolar bodies of Crithidia oncopelti and diplosomes of Blastocrithidia culicis are endosymbiotic bacteria with defective cell walls and that they are subject to destruction by treatment with chloramphenicol but not penicillin

Bacteria
Chang, K.-P., 1975, J. Protozool., v. 22 (2), 271-276
Blastocrithidia culicis, Crithidia oncopelti, intracellular symbiotes can be eliminated by single chloramphenicol treatment with subsequent reduced growth of flagellates

Bacteria
Chang, K.-P., 1976, J. Protozool., v. 23 (2), 241-244
Blastocrithidia culicis, Crithidia oncopelti, symbiote-free strains: liver extract as essential growth factor in defined medium; cross-reactivity in reciprocal agglutination test with symbiote-containing strains indicates loss of symbiotes does not affect antigenic identity

Bacteria
Cordero del Campillo, M.; et al., 1974, Rev. Iber. Parasitol., v. 34 (3-4), 305-315
case history, horse infected with E[rysipelothrix] insidiosa to produce hyperimmune serum, rapid death from Babesia, considered to be activation of carrier state; possible tick vectors reviewed: Leon (N.W. Spain)

Bacteria
Cypess, R. H.; et al., 1974, J. Infect. Dis., v. 130 (5), 534-538
Nematospiroides dubius, influence of parasitic infection in mouse (exper.) on enteric colonization and immune response to Escherichia coli

Bacteria
Derylo, A., 1970, Acta Parasitol. Polon., v. 17 (20-38), 301-313
Eomenacanthus stramineus, Menopon gallinae, feeding on hens with fowl cholera, presence of cholera agent, Pasteurella multocida, on body surface and in gut and feces but not persisting in lice, possibility of transmission

Bacteria
DeVaney, J. A.; et al., 1973, J. Med. Entom., v. 10 (6), 591-595
Cochliomyia hominivorax, attractancy of bovine blood fractions incubated and inoculated with known bacteria species resulted from bacteria and/or from compounds produced by them

Bacteria
Devauchelle, G.; and Vinckier, D., 1976, Ztschr. Parasitenk., v. 48 (3-4), 297-298 [Abstract]
Nosema vivieri in gregarines of nemerteans; bacteria in gregarines of Lithobia, earthworms and flourworms

Bacteria
Dwyer, D. M.; and Chang, K.-P., 1976, Proc. Nat. Acad. Sc., U.S.A., v. 73 (3), 852-856
Crithidia oncopelti, bacterial endosymbiote-containing vs. symbiote-free strain, comparison of surface-membrane carbohydrate ligands by lectin-mediated agglutination and lectin-ultrastructure localization

Bacteria
Eddy, G. W.; DeVaney, J. A.; and Handke, B. D., 1975, J. Med. Entom., v. 12 (3), 379-381
Cochliomyia hominivorax adults, attraction to bovine blood incubated with various species of bacteria, possible use with oviposition medium in screwworm rearing plants

Bacteria
Esuruoso, G. O., 1977, Bull. Animal Health and Prod. Africa, v. 25 (1), 65-72
Demodex folliculorum var. bovis in exotic and indigenous cattle, incidence, treatment trials (best results with selenium sulphide), constant presence of Staphylococcus aureus in lesions of demodectic mange indicated that it might aid in spread of lesions, immunization with S. aureus resulted in the reduction of mange lesions: southern Nigeria

Bacteria
Fournier, A.; Combes, C.; and Vago, C., 1975, Compt. Rend. Acad. Sc., Paris, v. 281, s. D, Sc. Nat. (23), 1895-1896
Euzetrema knoepffleri, pathogenic intracellular bacteria in tissues, present during all stages of life-cycle, transmitted by gametes

Bacteria
Fournier, A.; Vago, C.; and Combes, C., 1976, Ztschr. Parasitenk., v. 48 (3-4), 298 [Abstract]
Euzetrema knoepffleri, procaryote of bacterial type in cell cytoplasm, particularly gonads, possible pathogenicity

Bacteria
Fujimoto, D., 1975, J. Biochem., Tokyo, v. 78 (5), 905-909
Ascaris lumbricoides, extent of hydrolysis of Ascaris cuticle collagen by bacterial collagenase under various conditions, amino acid composition of collagenase digests, results suggest $CaCl_2$ necessary for hydrolysis of certain regions in molecule of Ascaris collagen not present in mammalian collagens

Bacteria
Hall, G. A.; Rutter, J. M.; and Beer, R. J. S., 1976, J. Comp. Path., v. 86 (2), 285-292
Trichuris suis, sequential development of large intestinal lesions in piglets (conventionally reared vs. specific-pathogen-free vs. gnotobiotic) studied histologically, synergistic effect of T. suis and bacterial flora in disease process

Bacteria
Helms, T. J.; and Wedberg, J. L., 1976, J. Invert. Path., v. 28 (3), 383-384
Nosema-infected Loxagrotis albicosta (midgut epithelium), Bacillus thuringiensis treatment had beneficial not debilitative effect

Bacteria
Higashi, G. I.; and Young, S. W., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 343 [Letter]
human schistosomes, antigenic relationships with salmonellae, possibly shared surface antigens aid symbiotic state

Bacteria
Hominick, W. M., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 383 [Demonstration]
Thelastoma sp., bacterial infection of cuticle of pinworms inhabiting hindgut of laboratory reared Periplaneta americana, bacterial preference for Thelastoma sp. over Hammerschmidtiella diesingi possibly related to structure of cuticle

Bacteria
Khan, A.; and Brooks, W. M., 1977, J. Invert. Pathol., v. 29 (3), 253-261
characterization of chromogenic bioluminescent bacterium associated with the entomophilic nematode Chromonema heliothidis, comparison of this bacterium with Achromobacter nematophilus

Bacteria
Khan, A. M., 1976, Indian J. Entom., v. 36 (3), 1974, 240-241
Cimex hemipterus, intracellular Corynebacterium sp. isolated

Bacteria
Kimura, N.; et al., 1976, Poultry Science, v. 55 (4), 1375-1383
Eimeria tenella, chickens, qualitative and quantitative study on intestinal flora, bacteriological and histopathological changes in ceca, probable that proliferation of clostridia and enterobacteria retards recovery from cecal coccidiosis

Bacteria
Komandarev, S.; et al., 1977, Dokl. Bolgar. Akad. Nauk, v. 30 (4), 567-569
Trichinella spiralis, rats (exper.), increase in peritoneal macrophages creates protection in subsequent infection by Erysipelothrix rhusiopathiae

Bacteria
Kozek, W. J., 1977, J. Parasitol., v. 63 (6), 992-1000
Brugia malayi, adults and all larval stages harbor intracytoplasmic bacterial organisms that appear to be transovarially transmitted and show special preference for lateral chords and for germinal tissues of females

Bacteria
Kozek, W. J.; and Figueroa Marroquin, H., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 663-678
Onchocerca volvulus, intracellular organisms similar to chlamydiae found within lateral chords of adult worms and larval stages, also in oogonia, oocysts, and developing eggs of females and in microfilariae, significance unknown

Bacteria
Lee, Y. C.; et al., 1976, J. Chinese Soc. Vet. Sc., v. 2 (1), 40-43
Ascaridia galli eggs, Citrobacter fruendii isolated, failure to recover Salmonella pullorum from worm eggs after artificial infection of chickens

Bacteria
Lee, Y. C.; and Huang, K. J., 1975, J. Chinese Soc. Vet. Sc., v. 1 (1), 24-30
Ascaris suum, pigs, relationship to prevalence of infectious pneumonia caused by bacteria, more severe lesions with both present

Bacteria
Lee, Y. C.; and Liu, C. C., 1976, J. Chinese Soc. Vet. Sc., v. 2 (2), 59-61
Ascaris suum eggs, isolation of Escherichia coli, Alcaligenes faecalis and Pseudomonas aeruginosa

Bacteria
Lee, Y.-C.; Liu, C. K.; and Liu, C. C., 1975, J. Chinese Soc. Vet. Sc., v. 1 (2), 79-82
Ascaridia galli eggs did not transmit Salmonella pullorum from chickens

Bacteria
Lehman, J. S., jr.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 384-399
Schistosoma haematobium, men and boys, clinical evaluation, radiography, quantitative egg excretion, bacterial cultures, renal function, results analyzed by age, by symptoms, by presence of polypoid vs. calcified lesions, by presence or absence of obstructive uropathy, and by response to antischistosomal treatment: Egypt

Bacteria
McLaren, D. J.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (5-6), 509-514
larval Dirofilaria immitis and Brugia pahangi, gram-negative micro-organisms within hypodermal tissue, possible adverse affect on development

Bacteria
Mantovani, A.; et al., 1972, Parassitologia, v. 14 (1), 149-162
Strongyloides papillosus larvae transmit the bacteria Sphaerophorus necrophorus to rabbits and spread it to host lungs by migration

Bacteria
Mantovani, A.; et al., 1972, Atti Soc. Ital. Sc. Vet., v. 26, 569-570
role of Strongyloides papillosus larvae in penetration and spread of Sphaerophorus necrophorus in rabbits

Bacteria
Michel, J.-C., 1975, Compt. Rend. Acad. Sc., Paris, v. 281, s. D, Sc. Nat. (17), 1281-1283
Plasmodium berghei yoelii, non-specific resistance in mice increased by injection of bacterial phospholipid extract

Bacteria
Mitterer, K.-E., 1975, Ztschr. Parasitenk., v. 48 (1), 35-45
Dicrocoelium dendriticum miracidia, hatching with formic acid, caproic acid and intestinal juice of Helix pomatia, absence of O_2, presence of bacteria; indirect dependence on pH; permeabilities and osmotic pressure; hypothesis of hatching mechanism: granular gland activation releases enzyme, polysaccharide digested to oligosaccharide, rising osmotic pressure bursts operculum

Bacteria
Mundim, M. H.; et al., 1974, J. Protozool., v. 21 (4), 518-521
Crithidia deanei, cultivation in defined medium, unexpectedly simple nutritional requirements, bacterial endosymbiont revealed by electron microscopy may provide other essential nutrients

Bacteria
Mundim, M. H.; and Roitman, I., 1977, J. Protozool., v. 24 (2), 329-331
Crithidia deanei, strain cured of its bacteria-like symbiote by chloramphenicol had additional nutritional requirements beyond those of the parent strain

Bacteria
Nalin, D. R.; and McLaughlin, J., 1976, J. Parasitol., v. 62 (5), 839-841
Ascaris lumbricoides adults found to be colonized by Vibrio cholerae when isolated from cholera patients: Bangladesh

Bacteria
Ortiz-Ortiz, L.; et al., 1976, Internat. Arch. Allergy and Applied Immunol., v. 50 (2), 232-242
Trypanosoma cruzi-infected mice, development of nonspecific resistance to challenge with Listeria monocytogenes, association with increased mononuclear phagocytic activity

Bacteria
O'Sullivan, B. M.; Rosenfeld, L. E.; and Green, P. E., 1976, Austral. Vet. J., v. 52 (5), 232-233
Platynosomum fastosum, mixed infection with Yersinia pseudotuberculosis, cat, case history, pathology: Rabaul, Papua New Guinea, imported to Australia

Bacteria
Paterson, H., 1977, Parasitology, v. 75 (2), xx [Abstract]
Moniezia expansa, M. benedeni, attempts to obtain hatched and sterile oncospheres for culture, hatching differences between species, large numbers of bacteria identified in eggs, elimination with chlorhexidine derivative for sterile oncospheres

Bacteria
Pliszczynska-Brennensthul, M.; et al., 1975, Otolaryngol. Pol., v. 29 (6), 653-655
congenital toxoplasmosis in infants with concurrent septic staphylococcus nasal septum abscess, case reports: Poland

Bacteria
Przyjałkowski, Z.; and Warton, A., 1977, Bull. Acad. Polon. Sc., Cl. II, s. Sc. Biol., v. 24 (11), 1976, 675-678
Trichinella spiralis in bacteria-free or conventional mice, changes in ultrastructure of epithelium of small intestines

Bacteria
Przyjalkowski, Z.; and Wescott, R. B., 1970, Acta Parasitol. Polon., v. 17 (20-38), 265-269
Nippostrongylus brasiliensis, conventional and germfree mice, some with monocultures of three species of bacteria, differential leucocyte counts, packed cell volume; higher worm burdens in male mice and in conventional mice, little differences in blood values

Bacteria
Purnell, R. E.; et al., 1977, Vet. Rec., v. 100 (1), 4-6
Babesia divergens, splenectomized calves (exper.), mixed infection with Ehrlichia phagocytophila resulted in less marked changes in haematology, apparent suppression of Babesia by Ehrlichia

Bacteria
Rehbinder, C.; Christensson, D.; and Glatthard, V., 1975, Nord. Vet.-Med., v. 27 (10), 499-507
Onchocerca sp. in subperitoneal and subcutaneous granulomas and Setaria tundrae in encapsulations in peritoneum of reindeer, increasing incidence, association with liver lesions caused by Corynebacteria, found in forest herds but not mountain herds

Bacteria
Rodhain, F.; and Dodin, A., 1971, Medecine et Malad. Infect., v. 1 (4), 185-188
Wuchereria bancrofti, Loa loa, variations in human antistreptolysin 0 titers before and after treatment for filariasis, possible antigenic immune reaction between filariae and Streptococcus

Bacteria
Rojo Vazquez, J., 1977, An. Fac. Vet. Leon, Oviedo, v. 21 (21), 1975, 51-101
Protostrongylinae, frequency in ovine lungs, primary nodes are infected by bacteria at a lower rate than non-parasitized lung areas: municipal slaughterhouse, Leon

Bacteria
Ross, G. W.; and Knight, R., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 560-567
Entamoeba histolytica, dietary factors affecting pathogenicity in rats, effect of low protein and low protein-high carbohydrate diets, measurements of bacterial flora, pH, and redox potential

Bacteria
Ruff, M. D.; et al., 1975, Avian Path., v. 4 (1), 73-81
Eimeria brunetti, effects on intestinal pH in conventional and gnotobiotic chickens

Bacteria
Ruitenberg, E. J., 1973, Norwegian J. Zool., v. 21 (4), 326 [Abstract]
Trichinella spiralis in rats (exper.), immune response directed towards intestinal phase; Corynebacterium parvum sensitization prolonged expulsion

Bacteria
Salih, S. Y.; et al., 1977, J. Trop. Med. and Hyg., v. 80 (1), 14-18
Schistosoma mansoni hepatosplenic infections in humans complicated by Salmonella typhi infections, treatment of Salmonella led to improvement of schistosomal pathologic changes: Sudan

Bacteria
v. d. Schaaf, A., 1972, Brit. Vet. J., v. 128 (3), x [Letter]
presence of fascioliasis in Salmonella dublin-infected calves, thought that bile or bile duct changes from fascioliasis allow S. dublin to multiply and be established

Bacteria
Taylor, S. M.; et al., 1973, Vet. Rec., v. 93 (17), 461-464
Eimeria spp., lambs kept on straw bedding vs. expanded metal flooring showed higher fecal oocyst counts, diarrhea, greater weight loss, and some fatalities; causal agents of disease appear to be E. ninaekohlyakimovae and/or E. arloingi with concurrent increase of intestinal Cl[ostridium] welchii type A

Bacteria
Toshkov, A.; et al., 1977, Dokl. Bolgar. Akad. Nauk, v. 30 (6), 895-896
Trichinella spiralis-infected rats followed by infection with Erysipelothrix rhusiopathiae, effect of ACTH on defence mechanisms is counteracted by T. spiralis (inhibition of non-specific protective factors)

Bacteria
Van Pelt, R. W.; and Dieterich, R. A., 1973, J. Wildlife Dis., v. 9 (3), 258-261
Toxoplasma gondii in Phoca vitulina richardii (liver), complicating generalized staphyloccal infection, clinical course with fatal outcome, pathologic findings: captured at Cold Bay, Alaska, held in captivity until death 21 days later

Bacteria
Vickerman, K., 1977, J. Protozool., v. 24 (2), 221-233
Cryptobia vaginalis, light and electron microscopic morphology, kinetoplast DNA dispersed throughout single mitochondrion, feeding by pinocytosis through cytopharynx, bacterial symbiotes

Bacteria
Vijil, C., 1972, N. England J. Med., v. 286 (2), 106-107 [Letter]
Entamoeba histolytica in humans, frequent association with Shigella dysenteriae, need for improved research on pathogenic interaction, dysentery often not relieved without additional amoebicidal therapy with metronidazole: Nicaragua

Bacteria
Wadstroem, T.; et al., 1976, Arch. Dis. Childhood, v. 51 (11), 865-870
Ascaris, Entamoeba histolytica, Giardia lamblia, children with diarrheal disease, survey, no correlation with toxinogenic bacteria in stools: Ethiopia

Bacteria
Waldeland, H., 1977, Acta Vet. Scand., v. 18 (2), 237-247
Toxoplasma gondii, sheep, antibody formation, dye test titres higher in ewes that had aborted; course of titre levels in young lambs; titre not influenced by listeric encephalitis; higher titres in sheep with hemoglobin type B

Bacteria
Whittle, H. C.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 349-363
scabies, pyoderma, and nephritis, clinical and epidemiological study: Zaria, Nigeria

Bacteria
Young, S. W.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (6), 797-802
Schistosoma mansoni, Salmonella paratyphi A cultured from tegument of worms removed from patients with chronic salmonellosis, worms incubated with salmonella in vitro, and worms from mice previously inoculated with salmonella

Bacteria
Young, S. W.; Hagashi, G.; and Kamel, R., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 437 [Demonstration]
Schistosoma mansoni from 2 patients with chronic salmonellosis, tegumental colonization of schistosomes by Salmonella paratyphi A

Bacteria
Zierdt, C. H.; and Tan, H., 1976, Exper. Parasitol., v. 39 (3), 422-430
Blastocystis hominis, 8 axenically grown strains, presence of intracellular bacteria-like spheres and rods, direct relationship between increasing endosymbiont numbers and increasing B. hominis cell size, effect of 3 antibiotics on B. hominis and its endosymbiont

Barometric pressure. See Pressure, Atmospheric.

Bather's itch. See Dermatitis, Trematoda.

Behavior. [See also Host perception by parasites; Taxis]

Behavior, Host
Badie, A., 1975, Ann. Recherches Vet., v. 6 (3), 259-264
Dicrocoelium lanceolatum metacercaria, annual activity cycle of parasitized ants, numbers hooked to vegetation at certain parts of the day, possible relationships to temperature and rainfall, risk of parasitism in sheep flocks, possible basis for control

Behavior, Host
Bennett, G. F., 1973, J. Wildlife Dis., v. 9 (1), 85-93
Cuterebra emasculator, Tamias striatus (nat. and exper.), haematological values of infected vs. uninfected chipmunks, adverse effects of infection on activity and feeding subsequent to parasite leaving host: Ontario

Behavior, Host
Combes, C., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 151-170
helminth life cycles as influenced by the behavior of their amphibian hosts, review; list of life cycles which may be related to different modes of infestation

Behavior, Host
Crowden, A. E., 1976, Parasitology, v. 73 (2), vii [Abstract]
Diplostomum spathaceum-infected Leuciscus leuciscus, decreased feeding efficiency, increased time spent feeding, more heavily infected fish spend more time in surface layers of water where more vulnerable to predation by birds, "Infection of fish by D. spathaceum metacercariae seems to alter the fish behaviour to the parasite's advantage without causing too high a level of wasteful mortalities.": River Thames

Behavior, Host
Eure, H., 1976, Parasitology, v. 73 (3), 355-370
Neoechinorhynchus cylindratus in Micropterus salmoides, seasonal periodicity (attempt to determine effects of water temperature, seasonally related host feeding habits, availability of infected intermediate hosts, host's sex and age, host location within reservoir), attempted analyses of parasite recruitment rate, maturation cycle, and sex ratio: heated reservoir (Par Pond), Energy Research and Development Administration's Savannah River Plant, Aiken, South Carolina

Behavior, Host
Gabrion, C.; Plateaux, L.; and Quentin, C., 1976, Ann. Parasitol., v. 51 (4), 407-420
Anomotaenia brevis cysticercoids in Leptothorax nylanderi, mechanism of infection, localization, structure by light and electron microscopy, modifications in parasitized hosts (morphology and pigmentation; behavior and physiology; partial parasitic castration), changes may render more susceptible to ingestion by final hosts (birds)

Behavior, Host
Gemmell, M. A., 1976, Research Vet. Sc., v. 21 (2), 223-226
Taenia hydatigena, lambs on contaminated pasture, modification of transmission pattern under 5 weeks of age due to change from sucking to grazing behavior and/or immunity passively transferred via colostrum

Behavior, Host
Gladney, W. J.; et al., 1973, J. Med. Entom., v. 10 (2), 123-130
Boophilus annulatus, Holstein cattle (exper.), high protein and fat diet vs. low protein and fat diet, effect on host resistance, hematocrit, and serum cholesterol values, and on tick development and numbers; host resistance primarily physiological rather than behavioral (self grooming)

Behavior, Host
Hall, R. D.; and Gross, W. B., 1975, J. Parasitol., v. 61 (6), 1096-1100
Ornithonyssus sylviarum, chickens artificially selected for high or low levels of plasma corticosterone response to stress and housed to promote high or low levels of social interaction, effect on development of mite populations, host sex differences

Behavior, Host
Hausfater, G.; and Watson, D. F., 1976, Nature, London (5570), v. 262, 688-689
emission of parasite ova (primarily Trichuris and Trichostrongylus) by Papio cynocephalus in relation to host social and reproductive condition, high-ranking adult males had higher egg emission than more subordinate individuals, sexually cycling females had higher emissions than anoestrous females

Behavior, Host
Hensley, M. S., 1977, Virginia J. Sc., v. 28 (2), 63 [Abstract]
Cuterebra fontinella-infested Peromyscus leucopus, less vulnerable to predation by foxes, possibly due to shrunken home ranges

Behavior, Host
Holmes, J. C.; and Bethel, W. M., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 123-149
parasite modification of intermediate host behavior in order to increase vulnerability of intermediate host to predation by definitive host; reversal of phototaxis by cystacanths of Polymorphus paradoxus produces altered evasive response in Gammarus lacustris vectors which in turn increases vulnerability of infected vectors to ingestion by mallard duck hosts

Behavior, Host
Kalkan, A., 1976, Etlik Vet. Bakteriyol. Enst. Dergisi, v. 4 (5-10), 1974-1976, 11-37
Dicrocoelium dendriticum in Formica rufibarbis, abnormal host behavior in the evening when the temperature decreases, crawling to top of plants: South Marmara Region, Turkey

Behavior, Host
Kozel, T. R., 1976, Tr. Kentucky Acad. Sc., v. 37 (1-2), 41-44
Ichthyophthirius multifiliis, distribution on body of Fundulus notatus, younger fish more heavily infested than older ones, host behavioral changes: area surrounding confluence of Pope Lick Creek and Floyds Fork Creek, near Pope Lick Road bridge, southeastern Jefferson County, Kentucky

Behavior, Host
Lockard, L. L.; Parsons, R. R.; and Schaplow, B. M., 1975, Great Basin Nat., v. 35 (4), 442-448
Salmo trutta (upper digestive tract), relationship of incidence and intensity of nematode infection to age and sexual maturity of host, higher infection rate in sexually mature trout due to aggressive feeding behavior: streams in southern and western Montana

Behavior, Host
Loos-Frank, B.; and Zimmermann, G., 1976, Ztschr. Parasitenk., v. 49 (3), 281-289
Dicrocoelium dendriticum-infected Formica pratensis, ant behavioral changes similar to those caused by infection with fungus, Entomophthora; necessity for differentiating causes of behavioral changes in studies of ants as intermediate hosts

Behavior, Host
Lundberg, H.; and Svensson, B. G., 1975, Norsk Entom. Tidsskr., v. 22 (2), 129-134
Sphaerularia bombi, bumble-bee queens, correlation between parasitism and behavior (nest-seeking, hibernacula-seeking and foraging behavior)

Behavior, Host
McAuliffe, J. R., 1977, J. Parasitol., v. 63 (3), 580-581
Haemogregarina, varying infection levels in Chrysemys picta bellii, Chelydra serpentina, and Emydoidea blandingii may be a function of their basking behavior which affects incidence of parasitism by the presumed leech vector Placobdella parasitica: Nebraska Sandhills

Behavior, Host
McNair, D. M.; and Timmons, E. H., 1977, Lab. Animal Sc., v. 27 (1), 38-42
Syphacia obvelata and Aspiculuris tetraptera, effects on exploratory behavior of inbred mouse strain (exper.)

Behavior, Host
Miles, C. T.; Foster, W. A.; and Christensen, H. A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 531-532 [Letter]
Leishmania braziliensis, evidence that some vector Lutzomyia spp. may use host stimuli for sexual aggregation as well as blood feeding

Behavior, Host
Muzzall, P. M.; and Rabalais, F. C., 1975, Proc. Helminth. Soc. Washington, v. 42 (2), 116-118
Acanthocephalus jacksoni-infected Lirceus lineatus, altered behavioral responses and increased conspicuousness of parasitized isopods increases likelihood of transmission of cystacanth to definitive host

Behavior, Host
Nelson, G. S., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 109-122
human behavior in the transmission of parasitic diseases, review

Behavior, Host
Newson, R. M.; Mella, P. N. P.; and Franklin, T. E., 1973, Trop. Animal Health and Prod., v. 5 (4), 281-283
Rhipicephalus appendiculatus on Bos indicus (ears), correlation of tick burden to host hierarchical status in the herd

Behavior, Host
Norval, R. A. I., 1975, J. Parasitol., v. 61 (4), 730-736
Haemaphysalis silacea, ecology: habitat preferences, distribution in relation to microclimatic conditions, seasonal activity, seasonal occurrence on hosts, sex ratio of ticks, host/tick interactions as result of host daily movements and feeding habits, site of attachment: Paardekraal Farm, Kowie River Valley, 15 km SE of Grahamstown, Eastern Cape Province, South Africa

Behavior, Host
Norval, R. A. I., 1975, J. Parasitol., v. 61 (4), 737-742
Amblyomma marmoreum, ecology: habitat preference, seasonal activity, seasonal occurrence on hosts, life cycle in laboratory correlated with field observations, temperature dependence of feeding time, effects of host seasonal behavior: Paardekraal Farm, Kowie River Valley, 15 km SE of Grahamstown, Eastern Cape Province, South Africa

Behavior, Host
Otto, F.; and Koerting, W., 1973, Vet. Med. Rev. (2), 99-106
endoparasites, behavioral changes in infected rainbow trout, post mortem findings: fish farm, South Germany

Behavior, Host
Paraschivescu, D.; Hurghisiu, I.; and Popescu, S., 1976, Arch. Vet., Inst. Cercet. Vet. si Bioprep. Pasteur, v. 11-12, 1975, 159-178
Dicrocoelium lanceatum in Formicidae, effect on host free amino acid content, behavior, distribution on pastures; cause of tetany

Behavior, Host
Rinderer, T. E.; and Elliott, K. D., 1977, J. Invert. Path., v. 30 (1), 110-111
Nosema apis, reduction in hoarding behavior of infected Apis mellifera

Behavior, Host
Schiefer, B. A.; Ward, R. A.; and Eldridge, B. F., 1977, Exper. Parasitol., v. 41 (2), 397-404
Plasmodium cynomolgi-infected Anopheles stephensi, reductions in laboratory flight performance, epidemiological implications

Behavior, Host
Stewart, S. J.; et al., 1976, Exper. Parasitol., v. 40 (3), 373-379
Polyplax serrata, mice, effects of limb disability and consequent inability to groom on lousiness: failure to induce immune tolerance after neonatal exposure

Behavior, Host
Stibbs, H. H.; and Seed, J. R., 1976, Exper. Parasitol., v. 39 (1), 1-6
Trypanosoma brucei gambiense, chronically infected Microtus montanus, elevated serum and hepatic tyrosine aminotransferase, high serum levels may result from lysis of parasites (possibly due to agglutination by antibody) containing high levels of enzyme, implications for catecholamine metabolism and consequently for pathologic behavioral syndrome

Behavior, Host
Woodard, D. B.; and Fukuda, T., 1977, Mosquito News, v. 37 (2), 192-195
Diximermis peterseni as biological control agent for Anopheles quadrimaculatus, laboratory resistance, mechanism is behavioural (avoidance of attack and snapping at nematodes by mosquito larvae during exposure)

Behavior, Mating. See Reproduction.

Behavior, Motion. See Locomotion.

Behavior, Parasite
Abele, L. G.; and Gilchrist, S., 1977, Science (4298), v. 197, 81-83
Moniliformis dubius, report of homosexual rape, interpretation of this behavior and other aspects of biology of acanthocephalans in context of parental investment and sexual selection

Behavior, Parasite
Ahrens, E. H.; et al., 1977, Environment. Entom., v. 6 (1), 138-142
Cochliomyia hominivorax, distribution and diurnal activity periods of released and native screwworm flies: southern Texas

Behavior, Parasite
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digenetic trematodes, behaviour, review (reproduction, hatching, penetration, response to taxic and host stimulation; cercarial emergence, swimming)

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Carter, N. P., 1977, Parasitology, v. 75 (2), xi [Abstract]
Schistosoma mansoni cercariae, behavior patterns in relation to age and to stimuli of shadows, turbulence, and chemicals

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Holmes, J. C.; and Bethel, W. M., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 123-149
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Nosopsyllus fasciatus, sequence of actions during mating, initiation by contact-chemical stimulus, negative phototactic behaviour

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Boophilus microplus on British breed cattle with different resistance levels, growth and attachment behaviour of larvae, desiccation of larvae in environment of host skin, movement to and accumulation in favored sites

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nematode tracks, method for direct or microscopic observation and photography

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Lawson, J. R., 1977, Parasitology, v. 75 (2), xi-xii [Abstract]
Schistosoma mansoni cercariae, survival in relation to environmental temperature, activity pattern, infectivity, glycogen content

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Dermacentor viariabilis, D. andersoni, females, structure of glands associated with foveae dorsales, histology and scanning electron microscopy, changes during feeding, possible role in sex pheromone activity

Behavior, Parasite
Leahy, (Sr.) M. G.; et al., 1975, J. Med. Entom., v. 12 (3), 284-287
Ornithodoros moubata, female assembly pheromone induces male assembly; male pheromone induces male and female aggregation; extraction of female pheromones; removal of olfactory sensillae reduces or eliminates response

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assembly pheromones from Ornithodoros and Argas species, interspecific responses; feeding increased pheromone production and decreased response; possible function in host location

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monogenean trematodes, invasive behavior, review

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Schistosoma haematobium, human, diurnal pattern of egg excretion, no evidence found to support hypothesis that rhythm is due to rapid increase in bladder activity in early morning, partial reversion of rhythm in day-shift workers changed to night-shift, possible role of host factors

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human malaria, support for hypothesis that sporozoites remain dormant after entering host body and are mechanisms responsible for relapse phenomenon and extended prepatent period; likened to similar behavior of some Isospora spp.

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Schistosoma mansoni, miracidial response to snail-conditioned water (SCW), effect of various treatments of SCW on its ability to stimulate miracidial activity, importance of 'active spaces' rather than concentration gradients in miracidial host-location

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Schistosoma mansoni, miracidial movement in relation to age, temperature, pH, light intensity, light shock, and snail-conditioned water, dark-ground photographic technique

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cercariae, factors influencing emergence, behavior and viability

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Kiricephalus pattoni, general distribution of glycogen, proteins, lipids, ascorbic acid and enzymes in tissues of representative pentastomid and correlations with known behavior suggests oxidative metabolism in this parasite

Behavior, Parasite
Norval, R. A. I., 1975, J. Parasitol., v. 61 (4), 730-736
Haemaphysalis silacea, ecology: habitat preferences, distribution in relation to microclimatic conditions, seasonal activity, seasonal occurrence on hosts, sex ratio of ticks, host/tick interactions as result of host daily movements and feeding habits, site of attachment: Paardekraal Farm, Kowie River Valley, 15 km SE of Grahamstown, Eastern Cape Province, South Africa

Behavior, Parasite
Norval, R. A. I., 1975, J. Parasitol., v. 61 (4), 737-742
Amblyomma marmoreum, ecology: habitat preference, seasonal activity, seasonal occurrence on hosts, life cycle in laboratory correlated with field observations, temperature dependence of feeding time, effects of host seasonal behavior: Paardekraal Farm, Kowie River Valley, 15 km SE of Grahamstown, Eastern Cape Province, South Africa

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Ancylostoma tubaeforme, infective larvae, movement, mechanism of wave propagation

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Oliver, J. H., jr.; Murphy, R. W.; and Obenchain, F. D., 1975, J. Parasitol., v. 61 (4), 782-784
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maintenance of Hyalomma albiparmatum under laboratory conditions, behavior as a two-host or part three-host tick when feeding on rabbits

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Preston, P. J.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 17 [Demonstration]
Nippostrongylus brasiliensis, in vitro and in vivo, isotope scanning, potential for study of parasite migration and behavior in living host

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Rechav, Y.; Whitehead, G.B.; and Knight, M.M., 1976, Nature, London (5544), v. 259, 563-564
Amblyomma hebraeum, aggregation response of nymphs to pheromone(s) produced by males

Behavior, Parasite
Roberts, T. M.; and Thorson, R. E., 1977, J. Parasitol., v. 63 (2), 357-363
Nippostrongylus brasiliensis, chemical attraction between adults both within host intestine and in vitro with particular regard to effect of host immunity on parasite behavior

Behavior, Parasite
Roberts, T. M.; and Thorson, R. E., 1977, J. Parasitol., v. 63 (4), 764-766
Nippostrongylus brasiliensis, pairing between adults and other species of nematodes in vitro, comparison of intra and interspecific response patterns, results suggest that pairing is not related entirely to sexual attraction

Behavior, Parasite
Robertson, A. S.; et al., 1975, J. Med. Entom., v. 12 (5), 525-529
Amblyomma americanum, unfed male and female adults, daily and seasonal behavior in relation to temperature, humidity, and photoperiod in different habitats, behavioral patterns suggest activity regulation by body water content: Cookson Hills State Game Refuge, Cherokee County, Oklahoma

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Robertson, A. S.; et al., 1975, J. Med. Entom., v. 12 (5), 530-534
Amblyomma americanum, molting behavior of engorged nymphs and larvae in 2 contrasting habitats, effect of environmental conditions on molting time and post-molt activity: Cherokee Co., Oklahoma

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Semtner, P. J.; and Hair, J. A., 1973, J. Med. Entom., v. 10 (4), 337-344
Amblyomma americanum adults, daily and seasonal activity patterns, vertical migration, climatic conditions, different habitat types

Behavior, Parasite
Semtner, P. J.; Sauer, J. R.; and Hair, J. A., 1973, J. Med. Entom., v. 10 (2), 202-205
Amblyomma americanum, molting time of replete nymphs under field conditions, seasonal variance; post-molt behavior of adults during first and second summer in different habitats, survival, overwintering success

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Sponholtz, G. M.; and Short, R. B., 1976, J. Parasitol., v. 62 (1), 155-157
Schistosoma mansoni, miracidia, stimulation by snail (Biomphalaria glabrata)-conditioned water, evidence that lowered calcium/magnesium ratio may be important in attracting miracidia to snails

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Stibbs, H. H.; et al., 1976, Nature, London (5553), v. 260, 702-703
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Ixodes holocyclus, Aponomma concolor, aggregation pheromones demonstrated

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Webb, J. P., jr.; George, J. E.; and Cook, B., 1977, Nature, London (5593), v. 265, 443-444
Ornithodoros concanensis makes use of vocal sound of Petrochelidon pyrrhonota as a cue in its host-finding behavior

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Whitfield, P. J.; and Anderson, R. M., 1977, Parasitology, v. 75 (2), viii-ix [Abstract]
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Behavior, Parasite
Whitfield, P. J.; Anderson, R. M.; and Bundy, D. A. P., 1977, Parasitology, v. 75 (1), 9-30
Transversotrema patialense, cercarial behavior, activity patterns, age and temperature dependence, speed and duration, neural control and energetic significance

Behavior, Parasite
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analysis of altruistic behavior of Dicrocoelium dendriticum in ant host, mathematical model; theoretically possible for behavior to evolve even when parasites of one host are derived from as many as five different parents

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Strongyloides ratti, rats (exper.), maternal worm burden when weaning is varied in relation to injection, effect of short-term stimulus (only 1 hr suckling) on maternal worm burden, working hypothesis to explain path-finding by migrating worms in lactating rats

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hybridization of schistosomes (history, reciprocity of interspecific pairings, egg morphology of hybrids, intermediate and definitive host infectivity of hybrids, behavior of hybrid cercariae, isoenzymes of hybrids), review with results of recent work on Schistosoma haematobium X S. intercalatum, practical implications, symposium presentation

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Anderson, P. H.; et al., 1977, Vet. Rec., v. 100 (3), 43-45
Fasciola hepatica, calves (exper.), enzyme activity in plasma or serum, serum concentrations of proteins, urea and bilirubin; glutamate dehydrogenase and gamma-glutamyl transpeptidase most sensitive indicators of liver cell damage

Bile
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trematode metacercarial excystment, enzymes, various non-enzymic media, temperature, pH, osmotic pressure, oxidation-reduction potential, ox bile as factors

Bile
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Hymenolepis nana, comparison of cysticercoids from Tribolium confusum and mouse villi, electron microscopy; activation and excystation effects of bile salts, other surfactants, pH, succinic and lactic acid

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Gomez Garcia, V.; Lozano Maldonado, J.; and Gonzalez Castro, J., 1973, Rev. Iber. Parasitol., v. 33 (2-3), 447-448
Fasciola hepatica, preliminary study of precipitation reactions among bile, serum and bile extract of infected and uninfected sheep in various combinations; hypothesis that fascioliasis can have role in formation of autoantibodies, that is, that biliary products are antigenic for the host

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Fasciola gigantica, bile less important than carbon dioxide in activation of metacercariae prior to excystment

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Dictyocaulus viviparus, 3rd stage larvae, activation by bile, in vitro, technique for evaluating viability of larval suspensions

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Toxoplasma gondii, cysts and proliferative forms, in vitro survival in different concentrations of disinfectants or on incubation with digestive enzymes or bovine bile

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Leishmania tropica promastigotes in vitro, sensitivity to toxic effects of bilirubin (loss of viability, decreased sugar and amino acid uptake, increased efflux of intracellular sugars, hexokinase activity, lowered respiration), results suggest irreversible damage to cell membrane, possible culture loss if bilirubin concentration of hemoglobin solution used is too high

Bile
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Hymenolepis diminuta, H. microstoma, bile salts, adsorption to tegument, do not enter worms

Bile
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lethal effect of bile on axenic Entamoeba histolytica culture without increased effect on amoebicidal action of metronidazole or emetine, possible etiologic role of inadequate bile secretion as factor in clinical amoebiasis

Bile duct. See Biliary tract.

Biliary tract. [See also Digestive system; Gall bladder; Liver]

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ascariasis, swine, pathology, biliary tract

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Ascaris larvae and ova in core of human bile-duct stones: Rangoon, Burma

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Fasciola hepatica in man with resulting bile duct obstruction, case report, surgical removal: Italy

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biliary ascariasis in 2-year-old boy, fatal illness after complication of generalized peritonitis, case report: Iran

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Fasciola hepatica in human resulting in common bile duct obstruction, fluke discovered during surgery for cholelithiasis, surgical and clinical case report: New York

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human hepatic echinococcosis, involvement of pericystium, histopathologic findings

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Ascaris lumbricoides, biliary ascariasis in young girl with resulting chronic dilatation of the biliary system, diagnosis using intravenous cholangiography and ERCP radiography, clinical case report with emphasis on need for diagnostic awareness in persons originating from endemic areas: Oakland, California (native of Philippines)

Biliary tract
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human echinococcosis, massive hepatic cyst with resulting jaundice from perforation into biliary tract, surgical treatment, case report: Poland

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Dicrocoelium dendriticum, 2 flukes removed from bile duct of woman undergoing exploratory surgery for cholelithiasis, clinical case report: France (native of Tunisia)

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Clonorchis sinensis in humans, 92% association (survey of 50 autopsies) between clonorchiasis and presence of mucin-producing cholangiocarcinoma, also association between degree of mucin secretion and presence and severity of parasite infection, clinical report: Hong Kong

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human hepatic echinococcosis, surgical management of cyst rupture into biliary tract

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Fasciola hepatica infestation of liver and biliary tract in young girl causing jaundice and severe intestinal hemorrhage, case report, surgical management with follow-up dehydroemetine therapy: Australia

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Biliary tract
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survey of nematode spp. invading Coleoptera beetles, possible importance in biological control: Egypt

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Biological control
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Biological control
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Biological control
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numbers of nematode parasites acquired by parasite-free calves grazing contaminated pastures containing dung beetle populations of different densities, worm counts reduced with increased dung beetle populations

Biological control
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Romanomermis culicivorax and growth regulator Altosid 5E used separately and concurrently, effective in controlling pupal and larval populations of Aedes aegypti

Biological control
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Neoaplectana sp., DD-136 strain, possible biological control agent for European elm bark beetle, Scolytus scolytus, logs sprayed with nematodes in solutions of either distilled water, glycerin, or P.B.I. Wetting agent

Biological control
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Euzetrema knoepffleri, pathogenic intracellular bacteria in tissues, present during all stages of life-cycle, transmitted by gametes

Biological control
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Schistosoma mansoni-infected Biomphalaria pfeifferi vector snails, suppression of cercarial production in the presence of nonvector decoy snails (Helisoma duryi), possible biological control measure

Biological control
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Helicosporidium sp. in Culex nigripalpus, susceptibility of various mosquito and other insect hosts, possible biological control agent: near Lake Charles, Louisiana

Biological control
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Mermithidae; Microsporidia, possible natural control agents of Simuliidae

Biological control
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Biological control
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Biological control
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Biological control
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trematodes, biological control of vectors, Physa acuta exhibits no competitive behavior against Biomphalaria glabrata; role of Physa snails against Bulinus sp. very good in laboratory conditions, unsatisfactory in field

Biological control
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Biological control
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Biological control
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Nosema locustae, epizootiology in grasshoppers, seasonal incidence, possible biological control agent

Biological control
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Biological control
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attempted use of Nosema eurytremae as biological control measure against larval stage of Fasciola hepatica

Biological control
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Biological control
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Nosema gastroidei causing mortality in Leptinotarsa decemlineata (exper.)

Biological control
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Mermis sp., degree of parasitism correlated with rainfall, biological control of caterpillars, Antigastra catalaunalis: Madhya Pradesh, India

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human schistosomiasis, displacement of Biomphalaria glabrata vector snails from major lakes and reservoirs by introduction of Marisa coruarietis ampullarid snails, results of 20-year monitoring program in Puerto Rico

Biological control
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Biological control
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development of chemical bait to attract Cochliomyia hominivorax, good results, compared with liver attractant

Biological control
Kamionek, M., 1977, Bull. Acad. Polon. Sc., Cl. II., s. Sc. Biol., v. 25 (4), 243-246
Neoaplectana carpocapsae in Hylemya antiqua, Pegomya hyoscyami, Hyponomeuta malinellus, and Aphis fabae (all exper.), host susceptibility, percentage and rate of mortality, intensity of infection

Biological control
Kamionek, M.; and Sandner, H., 1977, Bull. Acad. Polon. Sc., Cl. II., s. Sc. Biol., v. 25 (4), 247-249
Neoaplectana carpocapsae in Sitophilus oryzae, Tribolium castaneum, and Trogoderma granarium (all exper.), increased pathogenicity when 2 insect species were placed together as compared to those kept singly

Biological control
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Biological control
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possible biological control of Mansonia uniformis vectors of human filariasis through nematode parasitism with Reesimermis nielseni, preliminary laboratory trials

Biological control
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Psammomermis sp. in Popillia japonica, possible biological control: Brattleboro, Vermont; Wallingford, Cheshire and New Haven, Connecticut

Biological control
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Biological control
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Biological control
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Fossaria cubensis (vector of fascioliasis), Biomphalaria glabrata (vector of schistosomiasis), naturally occurring population inhibitors, possible approach to control

Biological control
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Romanomermis culicivorax, effect of pesticides and growth regulators used in mosquito control operations on viability and infectivity

Biological control
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Reesimermis nielseni, effects of pressure and nozzle impact of simulated aerial spray system of dissemination, no apparent loss of viability, infectivity, or development, tested against field-collected and laboratory-reared Culex pipiens quinquefasciatus larvae

Biological control
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Schistosoma spindale, trials of biological control by means of antagonistic mixed Echinostoma malayanum-Schistosoma spindale infections in Indoplanorbis exustus vector snails; control achieved only after excessively prolonged release of Echinostoma malayanum eggs into target ponds: Thailand

Biological control
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Schistosoma spindale, failure of trials of biological control using antagonistic mixed Echinostoma malayanum-Schistosoma spindale infections in Indoplanorbis exustus vector snails because of low temperatures and high pond water turbidity

Biological control
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Schistosoma spindale, studies in biological control by trematode antagonism with Echinostoma malayanum, P[erezia] helminthorum infection of trematode larvae leading to suppression of cercarial production and reduction in vector snail population due to parasitic castration and high mortality of infected snails

Biological control
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experimental field trial to control Trichobilharzia brevis in Lymnaea rubiginosa vector snails by dispersing eggs of Echinostoma audyi into experimental ponds, control successfully achieved mainly by trematode antagonism

Biological control
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Biological control
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tolerance of Sepedon fuscipennis and Dictya sp. larvae (possible biological control agents of schistosome vectors) to concentrations of Bayer 73 (Bayluscide) and sodium pentachlorophenate that readily kill snails

Biological control
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entomopathogenic protozoa as control agents of insect pests, methods of application, economic factors, further research needs, review

Biological control
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persistence of Microsporida, resistance of spores to environmental conditions, transmission and dispersal, host range and infectivity, effect of temperature on development

Biological control
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schistosomiasis, biological control of intermediate host snails by stocking of impounded reservoirs with malacophagous fish (Astatoreochromis allaudi): Western Kenya

Biological control
Maddox, J. V., 1977, Misc. Publication Entom. Soc. Am., v. 10 (3), 3-18
Nosema necatrix, N. trichoplusiae, viability of spores, effects of sunlight, temperature, water or humidity, substrate or chemicals; potential stability as biological control agents against insect pests

Biological control
Meier-Brook, C.; and Tjhen, K. Y. T., 1977, Ann. Trop. Med. and Parasitol., v. 71 (1), 95-100
Marisa cornuarietis as predator of intermediate snail hosts of Schistosoma haematobium and S. mansoni used in conjunction with N-tritylmorpholine for successful control of vectors of human schistosomiasis; additional recommendations for control of M. cornuarietis if needed

Biological control
Molloy, D.; and Jamnback, H., 1977, Mosquito News, v. 37 (1), 104-108
Neomesomermis flumenalis, control of Simulium venustum, S. vittatum, cost too great for intermediate stage field trials

Biological control
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onchocerciasis, Simulium vectors, mermithid parasites, potential biological control: West Africa

Biological control
Munaf, H. B., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (3), 492
Rhipicephalus sanguineus, nymphs collected during field survey found to be parasitized by Hunterellus hookeri chalcid wasps: Indonesia

Biological control
Nordin, G. L., 1976, J. Kansas Entom. Soc., v. 49 (1), 32-40
Malacosoma americanum eggs, decreased percentages of hatch and survival among Nosema-infected colonies, predisposal of infected larvae to other biotic and abiotic mortality factors: Kentucky

Biological control
Norval, R. A. I., 1976, Rhodesian Vet. J., v. 7 (3), 63
Haemaphysalis leachii muhsami, Amblyomma nuttalli, A. hebraeum, lizards as opportunist tick predators, ticks found in lizard stomachs or lizards observed feeding on ticks

Biological control
Overstreet, R. M., 1976, J. Parasitol., v. 62 (5), 680-684
Fabespora vermicola sp. n. hyperparasitism in Crassicutis archosargi acts as biological control agent by stopping reproduction of digenean host

Biological control
Palmieri, J. R.; Cali, A.; and Heckmann, R. A., 1976, J. Parasitol., v. 62 (2), 325-326
Diplostomum spathaceum in Lymnaea auricularia, experimental biological control by protozoan hyperparasite (Nosema strigeoideae)

Biological control
Petersen, J. J., 1973, J. Med. Entom., v. 10 (1), 75-79
Reesimermis nielseni, mass production using Culex pipiens quinquefasciatus, effects of host density, parasite-host ratio, and amount of food fed to host on percentage of parasitism and female nemas produced

Biological control
Petersen, J. J.; and Willis, O. R., 1976, Mosquito News, v. 36 (3), 339-342
Reesimermis nielseni, control of floodwater mosquitoes by release of nematode in appropriate habitat, collection of wild larval mosquitoes to measure success: Louisiana

Biological control
Poinar, G. O., jr.; and Hess, R., 1977, Nature, London (5599), v. 266, 256-257 [Letter]
Romanomermis culicivorax, preparasitic juveniles contained virus-like particles in hypodermal cords, damage could lower efficiency of this nematode as biological control agent

Biological control
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Biological control
Pointier, J. P.; and Delplanque, A., 1976, Bull. Soc. Sc. Vet. et Med. Comp. Lyon, v. 78 (6), 319-331
Schistosoma mansoni vector Biomphalaria glabrata, principal predators: Guadeloupe (Antilles Francaises)

Biological control
Prakasa Rao, P. S.; Das, P. K.; and Padhi, G., 1977, Indian J. Agric. Sc., v. 45 (6), 1975, 275-277
Neoaplectana dutkyi, compatibility with some insecticides and fertilizers, useful in control of rice insects

Biological control
Prentice, M. A.; Barnish, G.; and Christie, J. D., 1977, Ann. Trop. Med. and Parasitol., v. 71 (2), 237-238
eco-phenotype of Helisoma duryi (possible biological control agent against Biomphalaria glabrata) discovered to closely resemble B. glabrata vector of human schistosomiasis

Biological control
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Bacillidium sp., possible biological control of cotton pest thrips

Biological control
Richardson, P. N.; and Hesling, J. J., 1977, Ann. Applied Biol., v. 86 (3), 321-327
Howardula husseyi, winter decline in parasitism of Megaselia halterata, major mushroom pest; beakers in field test

Biological control
Rondelaud, D., 1975, Ann. Parasitol., v. 50 (1), 55-61
predation of Galba truncatula (intermediate host of Fasciola hepatica) by Zonitoides nitidus, possible biological control method

Biological control
Rondelaud, D., 1975, Ann. Parasitol., v. 50 (3), 275-286
Zonitoides nitidus, predation on Lymnaea truncatula and other molluscs

Biological control
Rondelaud, D., 1976, Ann. Parasitol., v. 51 (1), 41-49
predation upon Lymnaea truncatula by an association of Zonitoides and Oxychilus snails, possible application to biological control

Biological control
Rondelaud, D., 1977, Ann. Parasitol., v. 52 (2), 131-139
Fasciola hepatica, Potamopyrgus jenkinsi is not a vector, field and laboratory investigations of its possibilities for use as a competitor of Lymnaea

Biological control
Rondelaud, D., 1977, Ann. Parasitol., v. 52 (4), 411-420
Zonitidae snails in biological control of Lymnaea truncatula

Biological control
Rondelaud, D., 1977, Ann. Parasitol., v. 52 (5), 511-520
Lymnaea truncatula, population dynamics in 4 types of habitats observed over 4 year period, effect of regular drainage maintenance and of predation by Zonitoides nitidus: Haute-Vienne, France

Biological control
Rondelaud, D., 1977, Ann. Parasitol., v. 52 (5), 521-530
results and problems posed by introduction of Zonitidae predators in different habitats of Lymnaea truncatula: Indre and Haute Vienne, France

Biological control
Rosen, L., et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (6), 906-913
unsuccessful field trial of competitive displacement of Aedes polynesiensis (principal vector of nonperiodic filariasis caused by Wuchereria bancrofti) by Aedes albopictus (refractory to development of human filariae): Taiaro, remote Pacific coral atoll

Biological control
Samson, K. S.; and Wilson, G. I., 1974, Proc. Helminth. Soc. Washington, v. 41 (1), 112-113
Fasciola hepatica, Rouen ducks possible biological control agents, passage of metacercariae through ducks, infectivity for lambs, 99% reduction of viable metacercariae

Biological control
Sanders, R. D.; and Poinar, G. O., jr., 1976, J. Invert. Path., v. 28 (1), 109-119
Pleistophora probably n. sp. in Aedes sierrensis, development and fine structure, potential as biological control agent

Biological control
Sasa, M.; et al., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (3), 415 [Demonstration]
filariasis, possible use of poeciliid fishes for biological control of mosquito vectors

Biological control
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schistosomiasis and fascioliasis, potential use of solar energy for snail-host control, temperature stress, growth and reproduction of snail

Biological control
Schneider, C. R.; et al., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (2), 169-170
hydrobiid snail Pachydrobia bavayi attracts miracidia of Mekong schistosomiasis but is not capable of carrying life cycle to completion; possible use as decoy snail under natural conditions to reduce miracidial density

Biological control
Shepherd, R. C. H.; and Edmonds, J. W., 1976, Austral. Wildlife Research, v. 3 (1), 29-44
Spilopsyllus cuniculi, establishment and spread after release on wild population of Oryctolagus cuniculus for possible control of rabbit population by myxoma virus, quicker spread when released during host breeding season, upon release myxoma-infected fleas did not become established, localization on hosts, 4 year period: Mallee region, Victoria

Biological control
Snow, J. W.; Hofmann, H. C.; and Baumhover, A. H., 1977, Southwest. Entom., v. 2 (4), 202-206
Cochliomyia hominivorax, serious pest of livestock, feasibility of eradication by sterile insect method: Jamaica

Biological control
Sohi, S. S.; and Wilson, G. G., 1976, Canad. J. Zool., v. 54 (3), 336-342
Nosema disstriae, cell lines developed from hemocytes and ovarian tissues of naturally infected Malacosoma disstria larvae, spores from hemocyte cultures infectious to host larvae, possible use in large-scale production of insect pathogens; ovarian cultures disappeared after several passages

Biological control
Sucharit, S.; Chandavimol, Y.; and Sornmani, S., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (4), 581-585
Sepedon spangleri, a snail-killing fly, laboratory trials testing ability to kill helminth vector snails of medical importance in Thailand

Biological control
Sudarikov, V. E.; and Shigin, A. A., 1975, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 25, 168-180
Trematoda, aquatic animals as eliminators (fish, molluscs, aquatic insects, crustaceans); possible measures for trematode control (introduction of eliminators or changing existing structure of biocenosis)

Biological control
Summerlin, J. W.; et al., 1977, Environment. Entom., v. 6 (3), 440-442
Haematobia irritans, suppression of horn fly populations with Onthophagus gazella and Solenopsis invicta

Biological control
Thomas, V.; and Ramachandran, C. P., 1970, Med. J. Malaya, v. 24 (3), 196-199
laboratory trials with Culex pipiens fatigans to replace indigenous parasite-susceptible strains with parasite-resistant strains as possible biological control measure against Wuchereria bancrofti

Biological control
Tsacas, L.; and Disney, R. H. L., 1974, Tropenmed. u. Parasitol., v. 25 (3), 360-377
two new African species of Drosophila whose larvae feed on Simulium larvae, possible role in biological control of S. damnosum

Biological control
Uhrin, M. G.; Bendezu, P.; and Jobin, W. R., 1977, J. Agric. Univ. Puerto Rico, v. 61 (2), 230-233
refractivity of Marisa cornuarietis (biological control agent), Pomacea australis and Tarebia granifera (both potential biological control agents) to Schistosoma mansoni and Fasciola hepatica infections

Biological control
Undeen, A. H.; and Alger, N. E., 1977, Science Biol. J., v. 3 (1), 259-262
Nosema algerae in white mice (exper.), antibody detected by indirect fluorescent antibody test and by slide spore agglutination test, possible usefulness in safety evaluation phase of prospective microsporida biological control agents to determine mammalian exposure

Biological control
Velimirovic, B.; and Clarke, J. L., 1975, Tropenmed. und Parasitol., v. 26 (4), 503-506
possible use of larvivorous fishes in wells as biological control against culicine vectors of human filariasis: Maldives Republic

Biological control
Virat, M.; and Gevrey, T., 1976, Ztschr. Parasitenk., v. 48 (3-4), 299 [Abstract]
Haemonchus contortus, infectious larvae, trapping activity of several species of predacious fungi, adhesive networks more effective than sticky knobs or constricting rings, Arthrobotrys oligospora and Dactylaria thaumasia more effective species, invasion of worms

Biological control
Virat, M.; and Peloille, M., 1977, Ann. Recherches Vet., v. 8 (1), 51-58
predatory activity of fungus Arthrobotrys oligospora against larvae of Haemonchus contortus, optimal temperatures, larval density

Biological control
Watts, K. J.; and Combs, R. L., jr., 1977, Environment. Entom., v. 6 (6), 823-826
hymenopterous parasites of Haematobia irritans, efficiency as biological control agents: Oktibbeha County, Mississippi

Biological control
Wilson, G. G., 1977, Canad. Entom., v. 109 (7), 1021-1022
Nosema disstriae, Pleistophora schubergi, possible biological control agents of Malacosoma disstria (exper.), host survival

Biological control
Windels, M. B.; Chiang, H. C.; and Furgala, B., 1976, J. Invert. Path., v. 27 (2), 239-242
Nosema pyrausta, infected pupa and adult Ostrinia nubilalis, adverse effect on host longevity, oviposition, fecundity and fertility

Biological control
Woodard, D. B.; and Fukuda, T., 1977, Mosquito News, v. 37 (2), 192-195
Diximermis peterseni as biological control agent for Anopheles quadrimaculatus, laboratory resistance, mechanism is behavioural (avoidance of attack and snapping at nematodes by mosquito larvae during exposure)

Biological control
Zaman, V., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (1), 112
Sarcocystis orientalis, study of host range shows this species to be a highly pathogenic parasite of Rattus genus, not infective for common domestic and laboratory animals, possible use in biological control of rats

Biological tags. See Tagging.

Biometrics. See Technique, Statistical methods.

Bionomics. See Ecology.

Bladder. See Urine and urinary tract.

Blindness. See Eye.

Blood. [See also Anemia; Cardiovascular system; Disease transmission, Blood; Eosinophilia; Hemoglobin; Hemorrhage; Leukemia; Proteins, Blood]

Blood
Al-Khateeb, G. H.; and Hansen, M. F., 1973, Avian Dis., v. 17 (2), 269-273
Histomonas meleagridis, turkeys (exper.), plasma glutamic oxalacetic transaminase level, correlation with number of liver lesions, salfuride treatment reduced number of liver lesions and lowered plasma GOT levels, useful as indicator of course of disease and for screening potential histomonastats

Blood
Allen, W. M.; et al., 1973, J. Comp. Path., v. 83 (3), 369-375
Eimeria brunetti, chickens experimentally infected at 2 different dose rates, physiopathological changes, plasma protein and electrolyte alterations, weight loss

Blood
Allonby, E. W.; and Urquhart, G. M., 1976, Research Vet. Sc., v. 20 (2), 212-214
Haemonchus contortus, Merino sheep, possible relationship between haemoglobin type and resistance to haemonchosis: Kenya

Blood
Amborski, G. F.; Bello, T. R.; and Torbert, B. J., 1974, Am. J. Vet. Research, v. 35 (9), 1181-1188
Strongylus vulgaris, more adverse host reaction in parasite-free ponies than in ponies sensitized by previous natural infection, changes in serum glycoprotein patterns may be related to arterial damage associated with larval migrations

Blood
Aminzhanov, M., 1975, Dokl. Akad. Nauk UzSSR (10), 57-58
echinococcosis, sheep, decreased zinc in serum, increased vitamin C in lungs, liver and spleen

Blood
Angus, M. G. N.; Fletcher, K. A.; and Maegraith, B. G., 1971, Ann. Trop. Med. and Parasitol., v. 65 (4), 429-439
Plasmodium knowlesi-infected Macaca mulatta, changes in erythrocyte lipids

Blood
Ansari, A.; and Williams, J. F., 1976, J. Parasitol., v. 62 (5), 728-736
Taenia taeniaeformis, rats, haematologic parameters, reproducible pattern of eosinophilia in peripheral blood and liver, brisk secondary eosinophilic response following challenge in immune animals

Blood
Areekul, S., 1972, Southeast Asian J. Trop. Med. and Pub. Health, v. 3 (4), 617-618
Plasmodium knowlesi in Macaca mulatta (exper.), infected red cells travel at same rate as normal red cells with no evidence of being trapped in capillaries of brains of infected monkeys when compared with normal controls

Blood
Areekul, S., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (2), 310-312
human hookworm, changes in blood volume, red cell volume and plasma volume in infected persons compared with normal subjects

Blood
Areekul, S.; et al., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 568-569 [Demonstration]
hookworms, humans and dogs, inverse relationship between number of worms and blood loss per worm per day

Blood
Areekul, S.; et al., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (1), 107 [Demonstration]
comparison of serum vitamin B_{12} levels in patients with hepatic amoebic abscess, opisthorchiasis or hookworm infections

Blood
Areekul, S.; et al., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (3), 375-379
amoebiasis, opisthorchiasis, humans, changes in serum vitamin B_{12} in presence of infections

Blood
Areekul, S.; et al., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (3), 408 [Demonstration]
Plasmodium coatneyi, turnover rate of ^{131}I-fibrinogen compared in normal and infected monkeys

Blood
Areekul, S.; et al., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (4), 455-461
Plasmodium coatneyi, metabolism of 131_I-labelled fibrinogen in infected rhesus monkeys (exper.) and comparison with normal controls

Blood
Areekul, S.; et al., 1972, Southeast Asian J. Trop. Med. and Pub. Health, v. 3 (4), 619-620
Plasmodium falciparum, density distribution of red cells in infected humans, results show that infected blood had lower specific gravity than normal blood

Blood
Areekul, S.; et al., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (4), 474-480
Plasmodium knowlesi in Macaca mulatta, alteration of liver blood flow and phagocytic activity of reticuloendothelial system in infected monkeys with return to normal values after recovery

Blood
Areekul, S.; et al., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (4), 492-498
Plasmodium berghei, erythrocyte adenosine triphosphate levels in infected mice (exper.) compared with levels in normal mice, levels in infected mice found to be considerably higher

Blood
Areekul, S.; et al., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (3), 452 [Demonstration]
P[lasmodium] spp., erythrocyte adenosine triphosphate content compared in controls and infected man, monkeys and mice

Blood
Areekul, S.; Kanakakorn, K.; and Kasemsuthi, R., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (2), 261-262
Plasmodium coatneyi in Macaca mulatta (exper.), mechanism of intravascular haemolysis occurring in infected monkeys

Blood
Areekul, S.; Kanakakorn, K.; and Kasemsuth, R., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (4), 584 [Demonstration]
Plasmodium coatneyi, estimates of fraction of intravascular haemolysis taking place in a continuing process of haemolysis during course of infection in Macaca mulatta (exper.)

Blood
Armengaud, M.; et al., 1975, Medecine Afrique Noire, v. 22 (5), 363-366
human Plasmodium falciparum, blood coagulation and therapy in acute illness

Blood
Artigas, J.; Otto, I.; and Kawada, M. E., 1966, Bol. Chileno Parasitol., v. 21 (4), 114-118
Entamoeba histolytica, pathologic effects of motile trophozoites on human leucocytes compared with non-motile E. moshkovskii and another free-living amoeba both of which showed no action in blood cells; possible use in differentiating E. histolytica from E. hartmani

Blood
Ayala, S. C.; and Spain, J. L., 1976, J. Parasitol., v. 62 (2), 177-189
Plasmodium colombiense sp. n. in Anolis auratus, host blood pictures, parasitemia, parasite structure and structural variance, infection states, host population structure, epidemiology: western Colombia (Cauca River valley basin)

Blood
Bachmann, A. W.; et al., 1976, Tropenmed. u. Parasitol., v. 27 (3), 372-376
Babesia argentina, cattle, pre-infection levels of erythrocyte adenosine triphosphate, no significant correlation with susceptibility to infection

Blood
Bachmann, A. W.; et al., 1977, Tropenmed. u. Parasitol., v. 28 (3), 361-366
Babesia argentina, experimental infection in Droughtmaster cattle which are somewhat resistant to babesiosis, no apparent correlation between hemoglobin types and resistance to infection

Blood
Baker, J. R.; and Taylor, A. E. R., 1971, Ann. Trop. Med. and Parasitol., v. 65 (4), 471-485
Trypanosoma brucei brucei- and T. brucei rhodesiense-infected Pan troglodytes (exper.), course of infection, serologic relationships between trypanosome species and strains, blood changes, cerebrospinal fluid changes, post-mortem observations

Blood
Balbo, T.; et al., 1973, Ann. Fac. Med. Vet. Torino, v. 20, Suppl., 33-71
Fasciola hepatica, cattle (exper.), clinical and diagnostic aspects (coprology, blood picture; serum proteins; immunological determination of albumins and globulins; serum enzymes; bilirubin; BSF; serum minerals; body weight gain)

Blood
Baqui, A.; and Ansari, J. A., 1975, Indian J. Zool., v. 3 (1-2), 43-48
Setaria cervi, white rats (blood) (exper.), leucocytic response

Blood
Barnes, G. L.; and Kay, R., 1977, Lancet, London (8015), v. 1, 808 [Letter]
Giardia lamblia, possible association between susceptibility to infection and persons with blood group phenotype A

Blood
Barrowman, P. R., 1976, Onderstepoort J. Vet. Research, v. 43 (4), 201-202
Trypanosoma equiperdum, horse, experimental infection via cerebrospinal fluid of subarachnoid space, ability to cross blood-brain-barrier, possible future studies

Blood
Batte, E. G.; McLamb, R. D.; and Vestal, T. J., 1976, Pathophysiol. Parasit. Infect., 69-73
Trichuris suis, pigs, clinical signs, hypoalbuminaemia, increase in serum alpha, beta, and gamma globulin, depressed serum calcium levels, no correlated changes in zinc levels, serum creatinine, SGPT, blood sugars, hemoglobin, bilirubin, or BUN

Blood
Beach, D. H.; Sherman, I. W.; and Holz, G. G., jr., 1977, J. Parasitol., v. 63 (1), 62-75
Plasmodium lophurae, lipids of parasite and of erythrocytes and plasma of normal and infected Pekin ducklings

Blood
Bemis, D. A.; and Georgi, J. R., 1972, Cornell Vet., v. 62 (4), 680-685
Obeliscoides cuniculi, rabbits (exper.), estimated erythrocyte loss, concluded that O. cuniculi is not a significant bloodsucker

Blood
Bennett, G. F., 1973, J. Wildlife Dis., v. 9 (1), 85-93
Cuterebra emasculator, Tamias striatus (nat. and exper.), haematological values of infected vs. uninfected chipmunks, adverse effects of infection on activity and feeding subsequent to parasite leaving host: Ontario

Blood
Bezubik, B., 1969, Acta Parasitol. Polon., v. 17 (1-19), 1-9
Strongyloides papillosus, rabbits, human gamma globulin beneficial as expressed by host weight, parasite egg production, and blood values; infection more severe in younger hosts

Blood
Bier, J. W.; Jackson, G. J.; and Gerding, T. A., 1976, Tr. Am. Micr. Soc., v. 95 (2), 265 [Abstract]
Anisakis sp., Phocanema sp., blood analysis of experimentally infected pigs showed mild eosinophilia and increased levels of amylase, lactic dehydrogenase, and bilirubin

Blood
Birova-Volosinovicova, V., 1974, Biologia, Bratislava, s. B, Zool. (1), v. 29 (2), pp. 151-157
A[scaridia] galli in chicks treated with hormones (ACTH and cortisone), blood values (erythrocytes, leucocytes, haemoglobin, leucogram) same as normal chicks or infected, untreated chicks

Blood
Boreham, P. F. L.; and Facer, C. A., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 279 [Abstract]
Trypanosoma brucei, rabbits, marked increases in concentration of fibrinogen degradation products

Blood
Boreham, P. F. L.; and Facer, C. A., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 153 [Abstract]
T[rypanosoma] brucei, rabbits (exper.), changes in plasma fibrinogen concentration during infection, possible relationships to disease pathologic features

Blood
Boreham, P. F. L.; and Facer, C. A., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 274 [Abstract]
Trypanosoma brucei, experimental rabbits, changes in blood viscosity

Blood
Brown, L. A.; and Losos, G. J., 1977, Research Vet. Sc., v. 23 (2), 196-203
Trypanosoma congolense and T. brucei, comparative pathology in both bled and non-bled albino rats (exper.): parasitemia, packed cell volumes, weight of spleen and lymph, histology of thymus, spleen, lymph nodes, and bone marrow

Blood
Boulton, F. E.; Jenkins, G. C.; and Lloyd, M. J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 153-154 [Abstract]
T[rypanosoma] brucei-infected rabbits, changes in clotting mechanism during infections and possible role of disseminated intravascular coagulation in causing hemolysis and anemia; increased production of clotting proteins

Blood
Camus, D.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 182 [Letter]
Schistosoma mansoni, study of distribution of A, B and O blood groups in persons with mild and severe forms of infection suggests definite correlation between blood group and tendency to develop severe infection

Blood
Capbern, A.; et al., 1977, Ann. Parasitol., v. 52 (3), 237-251
Trypanosoma equiperdum, 2 strains giving rise to different clinical disease in rabbits (exper.), aspects of immune response (specific antibodies, hypermacroglobulinemia, anti-fibrinogen auto-antibodies) and coagulation disorders

Blood
Capdevielle, P.; et al., 1975, Medecine Trop., v. 35 (5), 426-428
human ancylostomiasis, decreased prothrombin time as possible indicator of presence of infection

Blood
Carson, C. A.; Sells, D. M.; and Ristic, M., 1976, Am. J. Vet. Research, v. 37 (9), 1059-1063
Anaplasma marginale, effect of blood group substances vs. parasitic components on induction of delayed cutaneous hypersensitivity and production of isoagglutinins in cattle injected with live or inactivated parasites in ovine or bovine erythrocytes, results indicate that inactivated sheep origin vaccine may avoid eliciting neonatal isoerythrolysis syndrome in calves from vaccinated dams

Blood
Chapman, H. D., 1974, Research Vet. Sc., v. 16 (1), 1-6
lambs under a husbandry system with crowded indoor housing, performance in 2 separate trials: growth during acquisition of natural mixed coccidial infections; pathogenicity of an artificial infection of primarily Eimeria ninakohlyakimovae, growth, blood changes

Blood
Chomicz, L., 1969, Acta Parasitol. Polon., v. 17 (1-19), 47-54
Strongyloides papillosus, immature and mature rabbits, blood picture, age and sex resistance

Blood
Coleman, R. M.; et al., 1976, J. Parasitol., v. 62 (1), 138-140
Plasmodium berghei, transitory but heightened rate of destruction of normal transfused erythrocytes in infected rats

Blood
Coop, R. L.; Sykes, A. R.; and Angus, K. W., 1976, Research Vet. Sc., v. 21 (3), 253-258
Trichostrongylus colubriformis, lambs, subclinical infection, reduced growth rate and food intake, hypophosphataemia, hypoalbuminaemia, hyperglobulinaemia; possible use of plasma constituents in diagnosis

Blood
Coop, R. L.; Sykes, A. R.; and Angus, K. W., 1977, Research Vet. Sc., v. 23 (1), 76-83
Ostertagia circumcincta, sheep (exper.), continuous small infections, clinical observations, body weight and food intake, worm populations and faecal egg count, pathology, concentrations of serum constituents and assessment of their value in diagnosis of sub-clinical ostertagiasis

Blood
Dalgliesh, R. J.; et al., 1976, Exper. Parasitol., v. 40 (1), 124-131
Babesia argentina, calves (exper.) given betamethasone, fatal pulmonary edema, hematological changes, histopathology, findings established occurrence of disseminated intravascular coagulation

Blood
Dalgliesh, R. J.; et al., 1977, Research Vet. Sc., v. 23 (1), 105-108
Babesia bovis, Bos taurus (exper.), protamine sulphate test as a screening test for disseminated intravascular coagulation

Blood
Dar, F. K.; Paris, J.; and Wilson, A. J., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 287 [Abstract]
Trypanosoma vivax, Zebu cattle, haematological and serum protein changes

Blood
Decia, C.; and Castro, E. R., 1968, Bol. Chileno Parasitol., v. 23 (1-2), 26-29
Babesia bigemina in calves (exper.), serum proteins and hematologic variations before infection, during prepatent, patent, and convalescent periods

Blood
DeVaney, J. A.; et al., 1977, Poultry Science, v. 56 (5), 1585-1590
Ornithonyssus sylviarum, White Leghorn roosters, infected and uninfected, mean body weight, reproductive potential studies, hematological values

Blood
Dhar, S.; and Gautam, O. P., 1977, Indian J. Animal Sc., v. 47 (4), 169-172
Theileria annulata, total serum levels of bilirubin, calcium, sodium and potassium in calves (exper.), use in supportive therapy

Blood
Dipeolu, O. O.; and Ogunji, F. O., 1977, Bull. Animal Health and Prod. Africa, v. 25 (1), 25-31
Amblyomma variegatum, Hyalomma rufipes, sheep (exper.), haematological changes, more pronounced in adult than in nymphal feeding, estimated weight of blood engorged by ticks

Blood
Dolan, T. T., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 274 [Demonstration]
Babesia divergens in calves (exper.), B. rodhaini in rats (exper.), thrombocytopenia with marked hemolytic anemia

Blood
Dolan, T. T.; and Carr, K. E., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 274-275 [Demonstration]
Babesia rodhaini-infected rat erythrocytes, light and electron microscopic scanning of cells for damage, good correspondence between damage and percentage of parasitemia

Blood
Dotta, U.; et al., 1977, Clin. Vet., Milano, v. 100 (10), 685-696
Ostertagia ostertagi, calves (exper.), clinical manifestations and physiopathological observations

Blood
Duncan, J. L.; and Pirie, H. M., 1975, Research Vet. Sc., v. 18 (1), 82-93
Strongylus vulgaris, single experimental infections of worm-free pony foals, clinical signs, pathology (intestinal and arterial lesions), and clinical pathology (haematology, serum proteins)

Blood
Dunkley, L. C.; and Mettrick, D. F., 1977, Exper. Parasitol., v. 41 (1), 213-228
Hymenolepis diminuta, rats, dietary carbohydrate intake, host's intestinal and blood plasma glucose levels, worm migration

Blood
Dymowska, Z.; Migdalska, Z.; and Kraus, A., 1971, Med. Dosw. i Mikrobiol., v. 23 (2), 167-173
Toxoplasma, immunized rabbits (exper.), evaluation of immune and cellular reactions using percent pattern of hemogram

Blood
El-Abdin, Y. Z.; et al., 1975, Egypt. J. Vet. Sc., v. 12 (1), 31-43
serum constituents and serum enzyme activities, normal and nematode infested Camelus dromedarius: Cairo abattoir

Blood
El-Abdin, Y. Z.; Mossalam, I.; and Hamza, S. M., 1975, Egypt. J. Vet. Sc., v. 12 (2), 143-152
Neoascaris vitulorum, buffalo calves, blood picture, biochemical blood constituents, enzyme activities, before and after treatment with Concurat

Blood
Enigk, K.; and Dey-Hazra, A., 1975, Vet. Parasitol., v. 1 (1), 69-75
Strongyloides ransomi-infected piglets, measurement of plasma and red cell loss into intestinal tract, leakage of plasma protein into gut is greater than can be accounted for in terms of whole blood loss

Blood
Enigk, K.; Feder, H.; and Dey-Hazra, A., 1976, Tropenmed. u. Parasitol., v. 27 (1), 57-69
mineral contents of blood and chemical composition of muscles of Trichinella spiralis-infected pigs, comparison with normal controls

Blood
Enigk, K.; Feder, H.; and Dey-Hazra, A., 1976, Zentralbl. Vet.-Med., Reihe B , v. 23 (3), 255-264
Taenia hydatigena, pigs, sheep, normal and high mineral diets, mineral, enzyme, and fatty acid content of cysts and of host blood

Blood
Evans, W. A., 1974, J. Wildlife Dis., v. 10 (4), 341-346
Sanguinicola klamathensis, growth, mortality, and blood changes of experimentally infected Salmo clarki

Blood
Facer, C. A., 1976, J. Comp. Path., v. 86 (3), 393-408
Trypanosoma brucei, rabbits (exper.), blood hyperviscosity primarily determined by plasma concentration of macroglobulin and fibrinogen, pathology

Blood
Fajardo, L. F., 1973, Nature (5405), v. 243, 298-299
Plasmodium falciparum, P. vivax, human, ultrastructural changes in blood platelets; P. berghei, mice (exper.), presence of parasites in platelets

Blood
Fitzgerald, P. R.; and Mansfield, M. E., 1973, J. Protozool., v. 20 (1), 121-126
Eimeria bovis, Holstein-Friesian calves (exper.), monensin incorporated in pelleted feed protected against severe clinical coccidiosis, observations on oocyst discharge in feces, clinical signs, weight gains, food consumption, hemoglobin, packed cell volume, total serum protein, sodium and potassium content of serum, and differential white cell count

Blood
Ford, G. E., 1976, Pathophysiol. Parasit. Infect., 83-97
trichostrongylid parasitism of ruminants (with emphasis on Ostertagia in cattle), blood pepsinogen estimations: seasonal variation in relation to climate; clinical significance (diagnosis, pathogenesis, response to anthelmintic treatment); parasitological significance; production significance; review

Blood
Forrester, D. J., 1975, Proc. Helminth. Soc. Washington, v. 42 (2), 171-174
Heligmosomoides polygyrus, blood changes in irradiated experimentally infected mice

Blood
Gallie, G. J.; and Sewell, M. M. H., 1976, Trop. Animal Health and Prod., v. 8 (4), 233-242
Taenia saginata, immunization of calves with intramuscular inoculation of non-living antigen or hatched eggs, or oral infection of unhatched eggs, antibody response to challenge infection, serological and haematological responses

Blood
Gelpi, A. P.; and King, M. C., 1976, Science, v. 191 (4233), 1284
Plasmodium falciparum, P. vivax, Duffy blood group antigens, sickle cell trait carriers and resistance to malaria: Saudi Arabia

Blood
Gesinski, R. M.; Napoletano, T. S.; and Algaier, R. J., 1976, Science Biol. J., v. 2 (6), 244-250
Plasmodium berghei, mice, volume changes and osmotic fragility of normal and infected erythrocytes, non-infected erythrocytes from infected animals lyse earlier than erythrocytes from malaria-free animals, malaria-infected erythrocytes were least susceptible to volume changes and lysis

Blood
Gillett, M. P. T.; and Besterman, E. M. M., 1977, Atherosclerosis, v. 26 (3), 389-390 [Letter]
schistosomiasis mansoni, man, plasma and erythrocyte lysolecithin, reduced platelet counts might contribute to low risk of thrombo-embolic disease

Blood
Gladney, W. J.; et al., 1973, J. Med. Entom., v. 10 (2), 123-130
Boophilus annulatus, Holstein cattle (exper.), high protein and fat diet vs. low protein and fat diet, effect on host resistance, hematocrit, and serum cholesterol values, and on tick development and numbers; host resistance primarily physiological rather than behavioral (self grooming)

Blood
Goldberg, M.; and Gold, D., 1976, Comp. Biochem. and Physiol., v. 54 (2C), 103-107
Fasciola hepatica, rats, hexachlorophene, marked lethal effect on immature and mature flukes but produces toxic effects on host (blood neutrophilia, changes in levels of certain enzymes)

Blood
Goldring, O. L.; et al., 1976, Clin. and Exper. Immunol., v. 26 (1), 181-187
Schistosoma mansoni schistosomula cultured in human blood of various specificities, acquisition of A, B, H, and Lewis^{b+} antigens at parasite surface, Rhesus, M N S, and Duffy antigens could not be detected

Blood
Goodger, B. V., 1975, Ztschr. Parasitenk., v. 48 (1), 1-7
Babesia argentina, experimentally infected cattle dying from heavy infection, cold precipitable fibrinogen complex in plasma, possibly formed by proteolytic enzymes from parasite

Blood
Gorenflot, A.; et al., 1976, Ann. Pharm. Franc., v. 34 (5-6), 199-209
Plasmodium berghei, mice, morphology of infected erythrocytes, optical and scanning electron microscopy, proposed hypothetical cycle explaining erythrocyte polymorphism

Blood
Govindwar, S. L.; Ghirnikar, S. N.; and Harinath, B. C., 1976, Indian J. Med. Research, v. 64 (11), 1607-1610
Wuchereria bancrofti, microfilaria carriers, chronic filarial patients and normal controls, biochemical study of blood samples comparing parameters of proteins, lipids, electrolytes, enzymes

Blood
Greenwood, B. M.; and Whittle, H. C., 1976, Am. J. Trop. Med. and Hyg., v. 25 (3), 390-394
Trypanosoma gambiense, human, no evidence of disseminated intravascular coagulation, moderate degree of thrombocytopenia, raised levels of fibrin degradation products; failure to produce thrombocytopenia in vitro

Blood
Grys, E.; and Hernik, A., 1974, Polski Tygod. Lekar., v. 29 (7), 267-269
Trichomonas vaginalis and its culture filtrates able to cause hemolysis of human and rabbit red blood cells

Blood
Gupta, G. C.; Joshi, B. P.; and Rai, P., 1976, Indian Vet. J., v. 53 (6), 438-441
Neoascaris vitulorum, buffalo calves, pathogenesis, biochemical alterations in host blood suggest severe hepatic insufficiency

Blood
Haroun, E. M.; and Hussein, M. F., 1975, J. Helminth., v. 49 (3), 143-152
Fasciola gigantica, pathological, haematological, and biochemical aspects of naturally occurring bovine fascioliasis: Sudan

Blood
Haroun, E. M.; and Hussein, M. F., 1976, J. Helminth., v. 50 (1), 29-30
Fasciola gigantica, calves (exper.), pathological, haematological, and biochemical aspects of infection

Blood
Hart, L. T.; Dimopoullos, G. T.; and Mandhare, K. S., 1973, Avian Dis., v. 17 (4), 752-757
Plasmodium lophurae, pyrimethamine, effect on in vitro incorporation of sodium acetate by lipids of blood from normal and infected ducks, inhibition of lipolysis in both normal and infected blood

Blood
Hart, R. J.; and Wagner, A. M., 1971, Onderstepoort J. Vet. Research, v. 38 (2), 111-116
Gaigeria pachyscelis, sheep (exper.), pathological physiology (macrocytic normochromic anaemia, hypoproteinaemia, hypocalcaemia, hyperglycaemia, eosinophilia); some fatalities, due primarily to loss of blood

Blood
Harvey, J. W.; and Gaskin, J. M., 1977, J. Am. Animal Hosp. Ass., v. 13 (1), 28-38
Haemobartonella felis, cats (exper.), hematology studies, time course of disease

Blood
Hass, D. K., 1976, Experientia, v. 32 (11), 1390-1391
Schistosoma mansoni-infected rhesus monkeys, significant reduction in plasma cholinesterase activity

Blood
Hawley, T. G., 1973, N. Zealand Med. J. (489), v. 77, 95-97
Necator infestation in rural dwelling Fijians and Indians, relationship to mean hemoglobin levels

Blood
Hayden, D. W.; and Van Kruiningen, H. J., 1975, Am. J. Vet. Res., v. 36 (11), 1605-1614
Toxocara canis, dogs (exper.), eosinophilic gastroenteritis, hematologic findings, serum proteins (β-globulin content as potential diagnostic tool), precipitating humoral antibodies, intradermal test, histopathology, comparison with naturally occurring disease

Blood
Heath, A. C. G.; et al., 1977, N. Zealand J. Agric. Research, v. 20 (1), 19-22
Haemaphysalis longicornis, dipped and undipped sheep, tick counts, blood analysis, live-weight gain, wool production and quality: New Zealand

Blood
Heil, R., 1974, Hamatologische Untersuchungen an Saugetieren und Kuken nach experimentellen Kokzidien-Infektionen, 137 pp.
coccidiosis of mammals and chickens, experimental infections, haemoglobin and haematocrit values, differential blood cell counts

Blood
Henriksen, Sv. Aa.; et al., 1976, Vet. Parasitol., v. 2 (3), 259-272
gastro-intestinal nematodes, young calves during first grazing season, infection levels, blood findings, body weight gains, comparison of animals grazing same pasture entire season with those moved in early July and between levamisole-treated and untreated animals: Denmark

Blood
Holmes, P. H.; and Jennings, F. W., 1976, Pathophysiol. Parasit. Infect., 199-210
T[rypanosoma] congolense, T. brucei, rabbits infected and subsequently treated with diminazene aceturate, haematological indices, changes in circulating red cell volume and plasma volume, changes in erythropoiesis, red cell survival studies, dramatic effects of treatment on anemia, similar preliminary results with T. congolense in Zebu calves

Blood
Holz, G. G., jr.; Beach, D. H.; and Sherman, I. W., 1977, J. Protozool., v. 24 (4), 566-574
octadecenoic fatty acid content of lipids of erythrocytes and plasmas of normal and Plasmodium lophurae-infected Pekin ducklings and of P. lophurae itself, hemolytic properties of octadecenoic fatty acids

Blood
Huntley, C. C.; et al., 1976, Pediatrics, Am. Acad. Pediat., v. 57 (6), 875-883
Toxocara canis and other helminthiasis affecting humans, suspected but not proved relationship between helmintic parasitism of mother and ABO hemolytic disease in the infant, comparison study of populations in Puerto Rico and North Carolina

Blood
Hussein, M. F.; et al., 1975, Ann. Trop. Med. and Parasitol., v. 69 (2), 217-225
Schistosoma bovis, cattle, gross and histopathological lesions, haematological and serum protein findings: Sudan

Blood
Ikede, B. O.; et al., 1977, Trop. Animal Health and Prod., v. 9 (2), 93-98
Trypanosoma brucei in Equus asini (exper.), clinical, haematological and pathological studies

Blood
Jablonowski, Z., 1970, Acta Parasitol. Polon., v. 17 (20-38), 271-284
Ascaris suum, guinea pigs, vitamin C-deficient diet, haemogram level, serum total protein and protein fractions, vitamin C content of various organs

Blood
Jansen, J., 1977, Trop. and Geogr. Med., v. 29 (3), 316-317 [Abstract]
trichostrongylosis, sheep, questionable correlation between breed susceptibility to infections and hemoglobin types of breeds

Blood
Jaroonvesama, N., 1972, Lancet, London (7744), v. 1, 221-223
Plasmodium falciparum, elevated fibrin-degradation products in serum of patients with severe falciparum infections suggest that intravascular coagulation is important intermediary mechanism in severe infection

Blood
Jaroonvesama, N.; et al., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (3), 419-424
human malaria, degree of changes in coagulation and serum fibrin degradation products varied with severity of infection in falciparum malaria and not at all in vivax malaria, therefore possibly result rather than cause of pathogenesis

Blood
Jaroonvesma [sic], N.; and Reid, H. A., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (4), 586-587 [Demonstration]
P[lasmodium] berghei, platelets and platelet aggregation in rats and mice (both exper.) infected with chloroquine sensitive and resistant strains of parasites

Blood
Jenkins, G. C.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 437-438 [Demonstration]
Trypanosoma brucei, rabbits, haematological observations

Blood
Jenkins, G. C.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 154 [Abstract]
T[rypanosoma] brucei-infected rabbits, anemia associated with infection due to hemolytic mechanism either of immunologic or microangiopathic nature

Blood
Jenkins, G. C.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 154-155 [Abstract]
T[rypanosoma] brucei-infected rabbits, spleen possibly main destructive agent for red cells during infection and for sequestration of platelets

Blood
John, D. T., 1974, Proc. Helminth. Soc. Washington, v. 41 (2), 121-126
Angiostrongylus cantonensis, mice (exper.), acquired immunity, weight loss occurred to a lesser degree in immunized mice, they experienced a greater leukocytosis

Blood
Kadhim, J. K., 1976, Pathophysiol. Parasit. Infect., 105-114
Fasciola gigantica, Awasi sheep (exper.), haematological changes

Blood
Kadyrov, N. T.; and Suleimenova, F. Z., 1975, Vestnik Sel'skokhoz. Nauki Kazakhstana (12), 91-93
delafondiasis, infected and uninfected horses, blood levels of lactic acid, serum activity of alanine-aminotransferase, aspartate-aminotransferase and aldolase

Blood
Kasemsuthi, R.; et al., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 558-559 [Demonstration]
Plasmodium coatneyi, fibrinogen metabolism compared in infected and control monkeys

Blood
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Trypanosoma murmanensis in Gadus morhua (exper.), transmitted by leech Johanssonia sp. (exper.), hematological changes

Blood
Kimeto, B. A., 1976, Am. J. Vet. Research, v. 37 (4), 443-447
Theileria parva, cattle, sequence of ultrastructural changes of platelets during fatal course of East Coast fever

Blood
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Fasciola [sp.], pathogenesis, clinical symptoms, and hematological changes in exper. infected cattle, goats, rabbits, and chickens; morphology in rabbits; intradermal reaction in cattle

Blood
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tick larvae, nymphs, accumulating process, concentration ratios, ingested blood meals

Blood
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Plasmodium chabaudi-infected mouse erythrocytes, fine structure of erythrocyte membranes

Blood
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Plasmodium cynomolgi-infected monkeys, destruction of erythrocytes

Blood
Kumar, A.; and Rawat, J. S., 1976, Indian J. Animal Sc., v. 45 (3), 1975, 154-156
Eimeria necatrix, E. acervulina, chickens (exper.), effect on serum enzymes, blood glucose and cholesterol

Blood
Laemmler, G.; Gruener, D.; and Zahner, H., 1975, Tropenmed. u. Parasitol., v. 26 (1), 98-110
Litomosoides carinii in Mastomys natalensis (exper.), peripheral blood composition before and after therapy with diethylcarbamazine or suramin (or combination) or HOE 258 V, effects of therapy on pathologic changes

Blood
Laemmler, G.; and Schuster, J., 1974, Tropenmed. u. Parasitol., v. 25 (1), 66-74
Schistosoma mansoni in Mastomys natalensis, chemotherapy with SQ 18.506, pathophysiological investigations (serum sorbitol dehydrogenase activity, numbers of leukocytes and eosinophilic granulocytes)

Blood
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Plasmodium falciparum, possible mechanism for protection against malaria by sickle-cell trait, involves increased buffering by haemoglobin of fatty acids produced within erythrocyte by parasite, may prevent or retard release of merozoites and associated intravascular haemolysis

Blood
Lawrence, J. A., 1977, Research Vet. Sc., v. 23 (3), 280-287
Schistosoma mattheei, Friesian calves, clinical pathological changes after primary infection, two different planes of nutrition

Blood
Leal Medina, L. J., 1974, Rev. Med. Vet. y Parasitol., Maracay, v. 25 (1-8), 1973-1974, 15-31
Trypanosoma lewisi, rats with and without cortisone, changes in ultrastructure of monocytes during infection; infection does not produce active macrophages or forms transitional between monocytes and macrophages

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Fasciola hepatica, sheep, rabbits, pathophysiology (serum proteins, enzymes, urea, lipids), concluded that rabbit cannot be used as model for pathophysiological studies

Blood
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Plasmodium falciparum in humans, physiopathology of hemolysis associated with pernicious parasitic infection

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Babesia rodhaini, mice, stimulation of erythropoiesis can have beneficial effect

Blood
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Haemobartonella felis, cats, erythrocytes labeled with ^{51}Cr, reduced lifespan in infected cats measured by radioactivity

Blood
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Sarcocystis fusiformis, calves (exper.), acute phase of infection, hematologic and serum enzyme changes: oligocythemic anemia, leukocytic shift to the left, elevation of serum SGOT, LDH, and CPK levels

Blood
Makoova, Z.; and Jurasek, V., 1975, J. Protozool., v. 22 (3), 66A-67A [Abstract]
Eimeria tenella, chickens (exper.), blood picture

Blood
Malherbe, W. D.; et al., 1976, J. South African Vet. Med. Ass., v. 47 (1), 29-33
Babesia canis, dogs, acid-base values for blood of poor-prognosis cases, supportive treatment with sodium bicarbonate reduced acidosis: Onderstepoort

Blood
Mandhare, K. S.; Dimopoullos, G. T.; and Hart, L. T., 1973, Avian Dis., v. 17 (3), 617-622
Plasmodium lophurae-infected ducks, in vitro incorporation of sodium acetate into fatty acids of lipid classes of blood plasma and erythrocytes

Blood
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Plasmodium pinottii, internal hemorrhages as possible important factor in death of infected Columba livia and Streptopelia risoria despite reduced blood clotting time in pigeons

Blood
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Plasmodium knowlesi, evaluation of role of Duffy blood group negative erythrocytes in host resistance to invasion by P. knowlesi merozoites

Blood
Maxie, M. G.; Losos, G. J.; and Tabel, H., 1976, Pathophysiol. Parasit. Infect., 183-198
Trypanosoma congolense, T. vivax, cattle, development of macrocytic normochromic anemia, leukopenia, and persistent thrombocytopenia, significant differences in response of cattle to the two species

Blood
Migasena, P.; and Maegraith, B. G., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 559 [Demonstration]
Plasmodium knowlesi in Macaca mulatta, barriers to movement of albumin from plasma to cerebrospinal fluid and from spinal fluid to plasma resulting from infection

Blood
Mikhail, M. M.; and Mansour, M. M., 1976, Clin. Chim. Acta, v. 71 (2), 207-214
Schistosoma mansoni and/or S. haematobium, patients with simple schistosomiasis vs. those with schistosomal polyposis all of whom showed signs of malnutrition, serum carnitine levels (and other haematological values) and liver function tests before and after nutritional repletion and ambilhar treatment, usefulness of serum carnitine as index of protein malnutrition

Blood
Milet, R. G.; Apt, W.; and Gallegos, D., 1976, Lancet, London (7972), v. 1, 1305-1306 [Letter]
Toxoplasma gondii, human acute and chronic infections, chromosome abnormalities in lymphocytes, possibly produced by parasitic infection

Blood
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Plasmodium vivax, resistance factor in African and American blacks, Duffy determinants on erythrocyte surface required for invasion of erythrocyte by vivax merozoites (Duffy-blood-group-negative human erythrocytes resistant to invasion)

Blood
Miller, L. H.; et al., 1977, J. Exper. Med., v. 146 (1), 277-281
Plasmodium falciparum, P. knowlesi, susceptibility of human erythrocytes lacking various blood group antigens to invasion, differential effect of enzyme treatment of human erythrocytes on invasion, evidence for difference in erythrocyte surface receptors for these two parasites

Blood
Musumeci, S.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 500-503
human leishmaniasis, mechanism of associated neutropenia

Blood
Musumeci, S.; D'Agata, A.; and Fischer, A., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (3), 261 [Letter]
human leishmaniasis, presence of immunoglobulin or complement on red cell surface, possible immune mechanism responsible for shortened red cell survival during active disease

Blood
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human leishmaniasis, fibrinogen and platelet survival in presence of infection

Blood
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Plasmodium berghei, Babesia rodhaini, effect of intraerythrocytic parasites on the permeability of red-cell membrane

Blood
Nettles, V. F.; and Prestwood, A. K., 1976, Vet. Path., v. 13 (5), 381-393
Parelaphostrongylus andersoni, Odocoileus virginianus (exper.), gross and microscopic lesions, lungs, muscles, clinical signs, egg production, course of infection

Blood
Newport, G. R.; et al., 1977, J. Parasitol., v. 63 (1), 15-24
Trypanosoma brucei gambiense-infected Microtus montanus, free serum amino acids, alteration in molar ratios and diurnal variation, possible role in neuropsychiatric syndromes of African trypanosomiasis

Blood
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deviations in erythrogram before and after treatment of human malaria infections with resochin, no such changes in hookworm and other worm infections: Liberia; Togo

Blood
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Boophilus microplus, infestation of British vs. zebu calves in early life (nat. and exper.), differences in resistance, changes in blood composition

Blood
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Schistosoma mansoni, mice, cholesteryl ester profiles of plasma and liver, may be useful tool for evaluation of progress and prognosis of infection

Blood
Oteng, A. K., 1973, Bull. Epizoot. Dis. Africa, v. 21 (4), 449-459
Uganda strain of Theileria parva, cattle (exper.), symptoms, fever, haematology, parasitaemia, pathology, transmission by blood and Rhipicephalus appendiculatus, no cross-immunity between strains of T. parva

Blood
Page, C. R. III; and Newport, G. R., 1977, Comp. Biochem. and Physiol., v. 57 (3B), 243-247
Schistosoma mansoni-infected mice, arginase and ornithine carbamoyltransferase activity in serum and liver

Blood
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Trypanosoma baigulensis, blood pathology, piscine hosts

Blood
Pandey, N. N.; and Mishra, S. S., 1977, Indian Vet. J., v. 54 (11), 880-883
Babesia bigemina, indigenous cattle (exper.), haematological changes and blood glucose level: India

Blood
Pasvol, G.; and Weatherall, D. J., 1977, Brit. J. Haematol., v. 36 (3), 445-446 [Abstract]
P[lasmodium] falciparum, host resistance to infection probably related to genetics and acquired alterations in red blood cells

Blood
Pasvol, G.; Weatherall, D. J.; and Wilson, R. J. M., 1977, Nature, London (5633), v. 270, 171-173
Plasmodium falciparum in vitro, preferential invasion of young red cells but no difference in rate of development in red cells of differing ages, foetal haemoglobin (Hb F) has no direct effect on rate of invasion of red cells but does cause retardation of parasite growth and development and may therefore offer some degree of protection, this may be possible mechanism for maintenance of β thalassaemia polymorphism since there is a retardation of rate of decline of Hb F production in infants heterozygous for β thalassaemia

Blood
Preston, J. M.; Dargie, J. D.; and MacLean, J. M., 1973, J. Comp. Path., v. 83 (3), 401-415
Schistosoma mattheei, sheep (exper.), clinical, haematological, biochemical, and gross pathological features

Blood
Preston, J. M.; Dargie, J. D.; and MacLean, J. M., 1973, J. Comp. Path., v. 83 (3), 417-428
Schistosoma mattheei, sheep (exper.), sequential changes in plasma, circulating red cell and blood volumes following infection, serum osmolarity and sodium concentrations, water metabolism, urine composition and solute excretion, significance of findings in relation to pathogenesis

Blood
Purnell, R. E.; et al., 1977, Vet. Rec., v. 100 (1), 4-6
Babesia divergens, splenectomized calves (exper.), mixed infection with Ehrlichia phagocytophila resulted in less marked changes in haematology, apparent suppression of Babesia by Ehrlichia

Blood
Purtilo, D. T.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (2), 229-232
parasitized children with protein-calorie malnutrition, complete blood count, serum immunoglobulin concentration, significant relationship between intensity of parasitism and Ig levels: Brazil

Blood
Rama, S.; Murtuza, M.; and Singh, C. D. N., 1976, Indian Vet. J., v. 53 (11), 895-896
Eimeria parva, E. ninakohlyakimovae, sheep (exper.), serum levels of calcium, magnesium and blood inorganic phosphorus, no significant changes after infection

Blood
Roberts, C. J., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 11 [Demonstration]
Trypanosoma congolense, T. vivax, cattle, sheep, serum lipid levels, significance of increase in plasma volume in trypanosome infections

Blood
Roberts, C. J., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 279-280 [Abstract]
Trypanosom[a] vivax, T. congolense, ruminants, serum lipid levels

Blood
Romestand, B.; and Trilles, J. P., 1976, Ztschr. Parasitenk., v. 50 (1), 87-92
Meinertia oestroides, anticlotting factor in cephalothoracic latero-oesophageal glands, action and chemical nature studied, antithrombinic factor similar to heparin; enzymatic activities of latero-oesophageal glands and hepatopancreas

Blood
Saror, D. I., 1976, Vet. Rec., v. 98 (10), 196
Trypanosoma[a] vivax, Trypanosom[a] congolense, plasma copper levels determined in exper. infected cattle, neither iron nor copper deficiencies are significant in the pathogenesis of bovine trypanosomiasis

Blood
Satwik, A.; Sarin, G. S.; and Misra, R. C., 1977, J. Trop. Med. and Hyg., v. 80 (2), 40-42
Entamoeba histolytica, human, increased serum seromucoid levels in active colonic or hepatic disease, normal levels in asymptomatic cyst passers

Blood
Schelp, F. P.; et al., 1977, Tropenmed. u. Parasitol., v. 28 (3), 319-322
human falciparum malaria, effect of parasitism untreated for 2-4 days or 5-10 days on the host serum protein pattern, hematocrit levels, SGOT activity, and blood creatinine; measurement of these parameters may give evidence of duration and severity of infection

Blood
Schiliro, G.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 439-440
human visceral leishmaniasis, no impaired function of neutrophils in infection as shown by results of bactericidal activity and the nitroblue-tetrazolium tests

Blood
Semka, Z.; and Rogowska, W., 1976, Med. Wet., v. 32 (9), 523-524
Eperythrozoon ovis, imported sheep, blood values, anemia: Poland

Blood
Shimada, Y.; et al., 1976, Nippon Zyuisi-Kai Zassi (J. Japan Vet. Med. Ass.), v. 29 (6), 319-324
Fasciola hepatica, calves (exper.), hematological and liver function tests (bromsulphalein test)

Blood
Silvestri G., R.; Himes, J. A.; and Edds, G. T., 1975, Am. J. Vet. Research, v. 36 (3), 283-287
sheep (adult Florida Native wethers), effect of oral administration of coumaphos alone or with trichlorfon on erythrocyte acetylcholinesterase and other blood constituents

Blood
Silvestri G., R.; Himes, J. A.; and Edds, G. T., 1975, Am. J. Vet. Research, v. 36 (3), 289-292
sheep (ewes and wethers), interaction of coumaphos with trichlorfon, bishydroxycoumarin (an anticoagulant), or phenobarbital sodium (as possible modifier of toxicity), erythrocyte acetylcholinesterase activity and other blood values

Blood
Singh, C. V.; Joshi, H. C.; and Shah, H. L., 1976, Pantnagar J. Research, v. 1 (1), 63-66
Eimeria spp., White Leghorn chicks, changes in blood biochemistry, possible aid in diagnosis

Blood
Smirnova, L. I., 1970, Parazitologiia, Leningrad, v. 4 (3), 296-297
Trypanosoma lotae sp. n., changes in host blood picture (Lota lota)

Blood
Srichaikul, T.; Siriasawakul, T.; and Poshyachinda, M., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (3), 244-246
Plasmodium falciparum in humans, defect in hemoglobin synthesis during infection, effect on normoblastic development in vitro, possible role of complement in depression of erythropoiesis

Blood
Sroczynski, J., 1977, Polski Tygod. Lekar., v. 32 (16), 589-591
Necator americanus, [Wuchereria] bancrofti, Schistosoma mansoni, studies on hospitalized Africans to assess variations in blood picture during infections showed anemia in hookworm to be mainly iron deficiency while schistosomiasis caused protein deficiency, eosinophilia of peripheral origin rather than correlated with changes in bone marrow

Blood
Stanislawski, E.; Renwrantz, L.; and Becker, W., 1976, J. Invert. Path., v. 28 (3), 301-308
Biomphalaria glabrata, soluble blood group reactive substances in hemolymph, possible role in relationship with Schistosoma mansoni

Blood
Stankiewicz, M., 1969, Acta Parasitol. Polon., v. 17 (1-19), 161-173
Strongyloides papillosus, sheep, single and multiple infections with sheep and rabbit strains, changes in leukocyte composition of peripheral blood

Blood
Sucharit, P.; et al., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (1), 145-146 [Demonstration]
P[lasmodium] falciparum in humans with pernicious manifestations, attempted correlation of clinical features and laboratory evidence of intravascular coagulation

Blood
Sucharit, P.; et al., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (1), 33-39
[Plasmodium] falciparum, studies show that coagulation and fibrinolysis develop only in persons who have cerebral manifestations of malaria or have high parasitemia

Blood
Sucharit, P.; and Reid, H. A., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (1), 15-18
Plasmodium knowlesi-infected Macaca mulatta, blood value comparisons with normal controls, multiple coagulation defects, increased fibrinogen/fibrin degradation products and evidence of intravascular coagulation in monkeys dying from infection

Blood
Sucharit, P.; and Reid, H. A., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 168-171
Plasmodium knowlesi, fibrinogen catabolism compared in normal and infected monkeys

Blood
Suzuki, N.; et al., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 35-40
Toxoplasma gondii, mice and rats (exper.), blood changes; rats (exper.), antibody titers by dye test and indirect immunofluorescence, erythrocytes showed positive Coombs' reaction suggesting presence of auto-immune acquired hemolytic process

Blood
Tantengco, V. O.; et al., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (2), 210-221
hookworm, analysis of serum and red cell folate activity and its relationship to hemaglobin concentration in infected and hookworm free children

Blood
Tantengco, V. O.; Marzan, A. M.; and de Castro, C. R., 1972, Southeast Asian J. Trop. Med. and Pub. Health, v. 3 (4), 580-586
Ascaris lumbricoides, Trichuris trichiura, establishment of blood parameters in infected and control children, little significant differences except lowered albumin and elevated globulin levels in presence of infections: Philippine Islands

Blood
Taylor, D.; and Perri, S. F., 1977, Am. J. Vet. Research, v. 38 (1), 51-54
Platynosomum concinnum, cats (exper.), clinical signs, hematology, biochemistry, pathology

Blood
Tewari, H. C.; Singh, K. S.; and Sharma, B. K., 1977, J. Nuclear Agric. and Biol., v. 5 (4), 1976, 71-73
Schistosoma incognitum, rabbits (exper.), blood loss determination by the use of ^{51}Cr labelled red cells

Blood
Theakston, R. D. G.; and Fletcher, K. A., 1971, Ann. Trop. Med. and Parasitol., v. 65 (4), 441-450
Plasmodium berghei, preference for young mature erythrocytes as opposed to more mature cells, dynamics of hemolysis, isotopic tracer techniques

Blood
Tizard, I. R.; et al., 1977, Experientia, v. 33 (7), 901-902
Trypanosoma congolense, hemolytic activity is due to presence of free fatty acids generated by action of phospholipase A on endogenous phosphatidyl choline, some lysolecithin also contributes to lytic activity, T. lewisi is devoid of phospholipase A and does not generate free fatty acids and is therefore non-hemolytic

Blood
Tizard, I. R.; and Holmes, W. L., 1976, Experientia, v. 32 (12), 1533-1534
Trypanosoma congolense, generation of toxic activity considered to be of potential significance in pathogenesis (phospholipase-like activity capable of mediating lysis of both nucleated cells and erythrocytes as well as acute inflammatory response on intradermal inoculation), Trypanosoma lewisi produced no significant hemolysis

Blood
Tomimura, T.; Yokota, M.; and Takiguchi, H., 1976, Japan. J. Vet. Sci., v. 38 (6), 533-548
Toxocara canis in Macaca spp., visceral larva migrans, clinical, hematological, biochemical, and gross pathological observations, occurrence of severe neurological disorders

Blood
Tryphonas, L.; et al., 1977, Canad. J. Comp. Med., v. 41 (1), 1-12
Leishmania donovani, dog, hematological and pathological observations, significance of bone marrow evaluation and electron microscopic examination in diagnosis, potential public health hazard for North America: Canada, imported from Spain

Blood
Tsang, V. C. W.; and Damian, R. T., 1977, Blood, v. 49 (4), 619-633
Schistosoma mansoni, schistosomal anticoagulant activity against host intrinsic blood coagulation pathway, experiments with human and mouse plasma

Blood
Tsang, V. C. W.; Hubbard, W. J.; and Damian, R. T., 1977, Am. J. Trop. Med. and Hyg., v. 26 (2), 243-247
Schistosoma mansoni, presence of schistosomal inhibitor for the intrinsic blood coagulation pathway of host which is capable of specifically blocking the enzymatic activation of pre-plasma thromboplastin antecedent by activated Hageman factor

Blood
Tsukamoto, M.; et al., 1975, Nettai Igaku (Trop. Med.), v. 17 (1), 13-26
Plasmodium spp. in humans, field trials of biochemical analysis of blood and urine, value comparisons before and after antimalarial therapy: Philippines

Blood
Vargas, D. L., 1974, Prensa Med. Mexicana, v. 39 (3-4), 215-219
Onchocerca volvulus, humans, immunologic analysis of serum immunoglobulins, finding that parasite produces heterophilic antigen of A type blood groups

Blood
Venugopal, G.; and Nair, S. G., 1975, Kerala J. Vet. Sc., v. 6 (1-2), 89-93
Sarcoptes scabiei, haematological studies in mange-infested goats: Mannuthy, Trichur, India

Blood
Vinayak, V. K.; and Chitkara, N. L., 1976, Indian J. Med. Research, v. 64 (10), 1443-1445
Entamoeba histolytica, 17 strains, selective ability to hemolyse red blood cells could be utilized as a parameter for differentiation of strains

Blood
Vray, B., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (3), 255-256 [Letter]
Plasmodium berghei-infected mice (exper.), possible relationships between hepatosplenic and blood rates of para-aminobenzoic acid and parasite development, diet-deficiency study

Blood
Waldeland, H., 1977, Acta Vet. Scand., v. 18 (2), 248-256
Toxoplasma gondii, sheep experimentally infected with sheep strain and RH strain, no significant changes in blood values, T. gondii cysts recovered from meat samples of lambs inoculated with sheep strain, but not from lambs inoculated with RH strain

Blood
Weilgama, D. J.; Jayasekara, M. U.; and Hussain, M., 1975, Ceylon Vet. J., v. 23 (3-4), 49-53
Babesia bigemina, B. argentina, Anaplasma centrale, A. marginale, three breeds of cattle (Ayrshire, Friesian and Shorthorn), haematological changes including parasitaemia and temperature reactions following premunisation with blood from infected cattle: Sri Lanka, imported from New Zealand

Blood
Wellde, B. T.; et al., 1973, Isotopes and Radiation Parasitol. III, 181-183
Trypanosoma congolense, cattle, clinical signs and parasitaemia, haematology, serum proteins, serum biochemical components, histopathologic findings, diagnosis by complement fixation test compared with indirect fluorescent antibody test

Blood
Williams, R. E.; and Hair, J. A., 1976, Ann. Entom. Soc. Am., v. 69 (3), 403-404
Amblyomma maculatum, eastern meadowlarks, statistical analysis showed no significant correlations to exist between measured parameters (weight, total solid plasma protein, hemoglobin, packed cell volume) and tick infestation levels

Blood
Williams, R. E.; Hair, J. A.; and Buckner, R. G., 1977, J. Econom. Entom., v. 70 (2), 229-233
Amblyomma maculatum, effects of high and low tick infestations on blood composition and weights of steers fed a standardized diet; decreased numbers of ticks on cattle over time, possibly due to acquired resistance

Blood
Wright, I. G., 1973, Research Vet. Sc., v. 14 (1), 29-34
Babesia argentina, B. babesia, splenectomised calves (exper.), haematology

Blood
Wright, I. G., 1975, Vet. Parasitol., v. 1 (1), 91-96
purification of esterase from Babesia argentina, probable role in in vitro activation of plasma prekallikrein, implications for mechanism of vasodilatory shock and disseminated intravascular coagulation in acute infections

Blood
Wright, I. G.; and Kerr, J. D., 1977, J. Comp. Path., v. 87 (4), 531-537
Babesia bovis, splenectomized calves, decreases in blood pressure and packed cell volume, plasma kallikrein activation started, possibly by parasite secretions

Blood
Wyatt, R. D.; Ruff, M. D.; and Page, R. K., 1975, Avian Dis., v. 19 (4), 730-740
chicks, interaction of aflatoxin with Eimeria tenella infection and monensin: E. tenella and aflatoxin in combination significantly increased mortality and weight depression, and caused more severely reduced hemoglobin, packed cell volume, and plasma pigmentation; monensin sodium did not completely prevent mortality and weight depression in a mixed infection; coccidial lesion scores were less for combination of E. tenella and aflatoxicosis than for coccidiosis alone

Blood
Yonders, P. C.; and Dixon, C. F., 1976, J. Alabama Acad. Sc., v. 47 (3), 115 [Abstract]
Obeliscoides cuniculi, domestic rabbit, ^{59}Fe absorption in small intestine, higher in blood of infected hosts

Blood
Young, A. S.; and Mchinja, S. J., 1977, Research Vet. Sc., v. 23 (3), 387-388
Haematoxenus separatus, sheep (blood), nature of veils associated with infected erythrocytes, phase-contrast microscopy: Kenya

Blood
Younger, R. L.; et al., 1975, J. Med. Entom., v. 12 (5), 517-524
Hypoderma, cattle yearlings treated topically with 5 juvenile hormone analogues, development of enlarged warbles with accumulated exudate, isolation of alpha hemolytic streptococci, no definitive changes in serum chemistry or haematological values, no acute toxic effects

Blood
Zuckerman, A., 1977, Exper. Parasitol., v. 42 (2), 374-446
Plasmodium, immunology, extensive review: immunodiagnosis and seroepidemiology; immunopathology; antigenic analysis; host responses; immunoglobulins; cell-mediated reactions

Blood picture. See Blood.

Blood transfusion. See Blood; Disease transmission, Blood.

Body location. See Localization.

Body wall. See Parasite surfaces.

Bones. [See also Musculoskeletal system]

Bones
Arana Iniguez, R.; et al., 1973, Neuro-Chir., v. 19 (4), 347-372
echinococcosis of human skull, X-ray and laboratory diagnosis, case review, surgical management: Montevideo

Bones
Coop, R. L.; Sykes, A. R.; and Angus, K. W., 1976, Parasitology, v. 73 (2), xxxii [Abstract]
Ostertagia circumcincta, lambs, subclinical infection, effect on food intake and utilization and skeletal growth

Bones
Curphey, J. E., 1971, Oral Surg., v. 31 (1), 19-24
Trichinella spiralis occurring as mass on right mandible in man who had no other symptoms or clinical signs, complete recovery after surgical removal of mass: England

Bones
Hernandez, E.; and Llanos, A., 1968, Bol. Chileno Parasitol., v. 23 (3-4), 129-130
human echinococcosis of spinal column, pathology, case reports: Chile

Bones
Kurrein, F.; and Vickers, A. A., 1977, Ann. Trop. Med. and Parasitol., v. 71 (2), 213-217
cysticercosis affecting brain, spinal cord and muscles diagnosed in 1953 in soldier who served in India before World War II, twenty years later found to have severe damage to spine, bones, joints and muscles: Great Britain

Bones
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Brain. [See also Nervous system, Host]

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(Ascaris lumbricoides; T[richuris] trichiura; ancilostomideos; S[trongyloides] stercoralis; E[nterobius] vermicularis; Hymenolepis nana; Taenia sp.; S[chistosoma] mansoni; E[ntamoeba] coli; I[odamoeba] butschlii; Endolimax nana; Giardia lamblia)

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Bronchitis
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Calcification

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Calcification

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Calcification

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Calcification

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endo- and ectoparasitic survey of 6 camps of Pygmies in the rain forest areas of South Cameroun (Plasmodium falciparum, P. malariae, P. ovale, Dipetalonema perstans; Loa loa; Entamoeba coli; E. histolytica; Endolimax nana; Giardia intestinalis; Iodamoeba buetschlii; Trichomonas intestinalis; Chilomastix mesnili; Trichuris trichiura; Ascaris lumbricoides; hookworms -- probably Necator americanus only; Strongyloides fuelleborni; S. stercoralis; Schistosoma mansoni; Paragonimus sp. eggs; Capillaria sp. eggs; scabies; chiggers; Balantidium coli)

Canada

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Canada, Ontario
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survey of human parasitism in an Ontario mental hospital, comparison of statistics of 1970 and 1976, attempted assessment of infection transmission among patients and staff (Entamoeba histolytica; E. hartmanni; E. coli; Endolimax nana; Iodamoeba buetschlii; Dientamoeba fragilis; Giardia lamblia; Chilomastix mesnili; Trichomonas hominis; Enteromonas hominis; Balantidium coli; Trichuris trichiura; Strongyloides stercoralis; Enterobius vermicularis; Hymenolepis nana)

Canada, Quebec
Ghadirian, E.; et al., 1976, Canad. J. Pub. Health, v. 67 (6), 495-498
human toxocariasis, prevalence survey of Toxocara spp. and other helminth ova in dogs and soil from city parks: Montreal (Toxocara canis; T. leonina; hookworm; Trichuris; trematodes)

Canada, Saskatchewan
Anvik, J. O.; Hague, A. E.; and Rahaman, A., 1974, Canad. Vet. J., v. 15 (8), 219-223
survey of intestinal parasites of dogs in 5 Saskatchewan cities
(Isospora sp.; Metorchis conjunctus; Diphyllobothrium latum; Alaria sp.; Toxascaris leonina; Toxocara canis; Taenia sp.; Uncinaria sp.; Ancylostoma sp.)

Cancer. [See also Leukemia]

Cancer
Ackerman, S. B.; and Seed, J. R., 1976, Infect. and Immun., v. 13 (2), 388-391
Trypanosoma brucei gambiense-infected Microtus montanus, increased susceptibility to Ehrlich's tumor growth, implications of trypanosome-induced immunosuppression toward susceptibility to neoplastic growth

Cancer
Attah, E. B.; and Nkposong, E. O., 1976, Trop. and Geogr. Med., v. 28 (4), 268-272
Schistosoma haematobium in humans, critical appraisal concludes there is no relationship between schistosomiasis and carcinoma of the bladder

Cancer
Bolio Cicero, A.; et al., 1969, Prensa Med. Mexicana, v. 34 (11-12), 421-423
subcutaneous supraclavicular hydatid cyst in elderly man with associated malignant infiltrate of the vertebrae, surgical case report

Cancer
Bomford, R.; and Wedderburn, N., 1973, Nature (5398), v. 242, 471-473
Plasmodium berghei yoelii infection potentiates induction of lymphomas in mice by Moloney leukaemia virus, effect accompanied by reduction in detectable levels of circulating neutralizing antibody to the virus and in particular by absence of IgG neutralizing antibody

Cancer
Bulay, O.; et al., 1977, J. National Cancer Inst., v. 59 (6), 1625-1630
Schistosoma mansoni, mice and hamsters (exper.), niridazole, carcinogenicity in infected and noninfected animals, results indicated that schistosome infection had no apparent influence on tumor incidence

Cancer
Chainuvati, T.; et al., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (3), 482-486
Opisthorchis viverrini, humans, case reports of obstructing carcinoma of the cystic duct in persons with opisthorchiasis, possible associations: Bangkok, Thailand

Cancer
Cheever, A. W.; et al., 1976, Am. J. Path. (412), v. 84 (3), 673-676
Schistosoma haematobium in capuchin monkeys (Cebus apella) (exper.), infection resulting in carcinoma of the urinary bladder, possible model for human infections

Cancer
Chernik, N. L.; Armstrong, D.; and Posner, J. B., 1973, Medicine, Baltimore, v. 52 (6), 563-581
parasitic central nervous system infections (cysticercosis, Taenia solium, Toxoplasma gondii) in persons suffering from carcinogenic lymphomas

Cancer
Chou, S. T.; and Chan, C. W., 1976, Pathology, v. 8 (4), 321-328
Clonorchis sinensis in humans, 92% association (survey of 50 autopsies) between clonorchiasis and presence of mucin-producing cholangiocarcinoma, also association between degree of mucin secretion and presence and severity of parasite infection, clinical report: Hong Kong

Cancer
DeVita, V. T., jr.; et al., 1976, National Cancer Inst. Monograph (43), 41-47
Pneumocystis carinii pneumonia in patients with cancer, differential diagnosis, clinical aspects, pentamidine isethionate

Cancer
Dominguez, A.; and Giron, J. J., 1976, Acta Cytol., v. 20 (3), 269-271
Toxoplasma [gondii] cysts in human vaginal smears, need for accurate differential diagnosis from cancer, possible source of congenital toxoplasmosis and/or abortions as well as individual reinfection

Cancer
Dutt, A. K.; Beasley, D.; and Sandosham, A. A., 1969, Med. J. Malaya, v. 24 (2), 158-160
case report of woman with eosinophilic granuloma of pancreas caused by Ascaris lumbricoides eggs, symptoms suggestive of cancer: Malaysia

Cancer
Elbihari, S.; and Hussein, M. F., 1973, J. Wildlife Dis., v. 9 (2), 171-173
Ophidascaris filaria, Python sebae (stomach), associated granulomatous pre-neoplastic gastric lesions: Sudan

Cancer
Fine, J., 1969, Med. J. Zambia, v. 3 (2), 27-35
autopsy and surgical findings of pathology resulting from human schistosomiasis, possible relationships with bladder cancer: Zambia

Cancer
Frenkel, J. K.; and Reddy, J. K., 1977, J. Reticuloendothel. Soc., v. 21 (1), 61-68
chemical induction of liver neoplasms is delayed but not prevented in rats chronically infected with Toxoplasma gondii or Besnoitia jellisoni, possible role of activated macrophages in mediating this protection

Cancer
Gad-El-Mawla, N.; et al., 1973, Med. J. Cairo Univ., v. 41 (4), 309-314
possible correlations of estrogen-containing contraceptive pills in the presence of schistosomal hepatic fibrosis with intramammary duct hyperplasia and cancer, exper. mice

Cancer
Gaspa, L.; and Eusebi, V., 1973, Pathologica (943-944), v. 65, 235-239
echinococcal cyst of breast in elderly woman associated with carcinoma of breast, case report: Italy

Cancer
Gelfand, M., 1969, Med. J. Zambia, v. 3 (2), 14-25
diagnostic signs of human schistosomal disease with discussions on associated urinary tract pathology and possible relationships with hypertension and bladder cancer

Cancer
Gualandri, V.; and Galeazzi, L., 1971, Minerva Ginec., v. 23 (3), 148-150
human vaginal trichomoniasis, statistical survey of occurrence in conjunction with genital neoplasms

Cancer
Harzmann, R.; and Chiari, R., 1974, Med. Klin., Berlin, v. 69 (40), 1614-1619
Toxoplasma gondii, differential diagnosis, multiple histologic exams and retroperitoneal lymphography recommended, case report of human toxoplasmosis and simultaneous reticulosarcoma: Fulda, Germany

Cancer
Hernandez-Perez, E., 1975, Med. Cutan. Ibero-Latino-Am., v. 3 (1), 47-54
genital amoebiasis of vulva and/or cervix uteri in association with cancerous lesions, 4 case reports, pathologic findings: El Salvador

Cancer
Hicks, R. M.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 288 [Demonstration]
Schistosoma haematobium, studies in hamsters and baboons (both exper.) for possible correlations between nitrosamines and development of bladder tumors in the presence of schistosomiasis

Cancer
Ibrahim, S. I.; et al., 1976, Med. J. Cairo Univ., v. 44 (2), 187-194
statistical review of pathologic findings at autopsy of cases of pancreatic schistosomiasis, no etiologic relationship with pancreatic cancer: Egypt

Cancer
Irvin, A. D.; et al., 1975, Nature (5511), v. 255, 713-714
Theileria parva-infected lymphoid cells, growth in irradiated athymic mice (extensive infiltration causing malignant neoplastic condition), comparison with bovine lymphosarcoma cells (discrete circumscribed tumors with no evidence of metastasis)

Cancer
Juminer, B., 1971, Medecine Afrique Noire, v. 18 (4), 321-329
possible relationships between cancer and human parasitism

Cancer
Kalter, S. S.; et al., 1974, Nature (5474), v. 251, 440
Schistosoma haematobium-induced urinary bladder neoplasm, presence of C-type viral particles, Cebus sp.

Cancer
Keller, R.; Ogilvie, B. M.; and Simpson, E., 1971, Lancet, London (7701), v. 1, 678-680
Nippostrongylus brasiliensis, rats, mice, effect of infection on tumor growth, results raise possibility that helminths and tumors may share antigens and suggest that helminth infections have non-specific effect on tumor growth

Cancer
Kretic, M.; Ceklic, O.; and Semiz, A., 1972, Med. Zborn., v. 7 (1), 9-13
case report of human echinococcosis of thyroid, differential diagnosis from malignant tumor possible only after surgery: Yugoslavia

Cancer
Kuntz, R. E.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (5-6), 494-502
Schistosoma haematobium in Hylobates lar (exper.), resulting bladder calcifications and papillary tumors of bladder and ureters similar to human infection, possible laboratory model

Cancer
Lane, D., 1969, Med. J. Australia, v. 1 (15), 764-767
differential diagnosis of human hepatic amoebic abscess from primary hepatic carcinoma

Cancer
Majmudar, B.; Chaiken, M. L.; and Lee, K. U., 1976, J. Am. Med. Ass., v. 236 (10), 1145-1146
Entamoeba histolytica of clitoris mimicking a cancerous lesion, diagnosis made only after excision of growth, case report and review of current aspects of genital amoebiasis: Georgia

Cancer
Molinari, J. A.; and Ebersole, J. L., 1976, Abst. Ann. Meet. Am. Soc. Microbiol., 84
Trichinella spiralis, mice, nematode induced potentiation of delayed hypersensitivity, induces stimulation of host anti-neoplastic activity

Cancer
Molinari, J. A.; and Ebersole, J. L., 1977, Internat. Arch. Allergy and Applied Immunol., v. 55 (1-6), 444-448
Trichinella spiralis, mice, antineoplastic effects of long-term infection on B-16 melanoma, apparently related to potentiation of cellular immune response

Cancer
Murakami, F.; Harada, T.; and Muta, N., 1973, Nettai Igaku (Trop. Med.), v. 15 (2), 92-104
human schistosomiasis, possible role in etiology of primary hepatic cancer in tropical areas

Cancer
Page, F. T.; and Reeves, D. S., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 256-259
Strongyloides spp., accelerated auto-infection in patient with terminal carcinomatosis, low-grade infection thought to have existed for 26 years before erupting, unusual symptoms with numerous larvae in sputum and feces and no evidence of adult worms even at autopsy, danger of infection spread through larvae-infected sputum: Bristol, United Kingdom

Cancer
Purtilo, D. T., 1976, Trop. and Geogr. Med., v. 28 (1), 21-27
Clonorchis sinensis in humans, autopsy reviews for possible correlations between parasite infection and hepatic and biliary tract neoplasms: Hong Kong

Cancer
Singh, N. P.; and Tewari, A. N., 1976, Indian J. Animal Sc., v. 46 (4), 211-214
Spirocerca lupi, pathoanatomical and histopathological study, dogs, oesophagus and aorta, fibrosarcoma in some cases

Cancer
Smith, J. A.; et al., 1975, Ann. Trop. Med. and Parasitol., v. 69 (4), 503-512
Armillifer armillatus, human, case report of severe disseminated porocephalosis with paraplegia and gangrene and coexisting Hodgkin's disease; review of 60 other cases shows Armillifer infestation as 3rd commonest cause of hepatic granulomata, possible congenital case as well as 1st cutaneous involvement are reported, malignant tumors were associated with 33% of the cases, suggested that pentastomes may be able to cause neoplasia

Cancer
Spithakis, R., 1970, Marseille Med., v. 107 (11), 949-952
use of Trypanosoma cruzi extracts as adjunct to cobalt therapy for human malignant diseases, alleviation of undesirable side effects of radiation: France

Cancer
Tapper, M. L.; and Armstrong, D., 1976, Arch. Int. Med., Chicago, v. 136 (7), 807-810
blood transfusion induced malarial infections in 2 patients with neoplastic disease, case reports, implications for alterations of immunologic status

Cancer
Valente, C. A.; and de Lima Filho, O. A., 1974, Maternidade e Infancia, v. 33 (3), 377-388
Schistosoma mansoni, human, liomyoma of uterine cervix associated with schistosomal ova and granuloma, case report: Brasil

Cancer
Wandera, J. G., 1976, Vet. Rec., v. 99 (18), 348-351
Spirocerca lupi, dogs, incidence, pathological variations, oesophageal sarcomas, age of host, site of incidence, 11 year period: Kenya

Cancer
Zaman, V., 1968, Med. J. Malaya, v. 22 (3), 195-197
Toxoplasma gondii invasion of sarcoma mouse ascites tumor, increased ascites caused decreased infection

Cannibalism
Farhang-Azad, A., 1977, J. Parasitol., v. 63 (4), 701-706
Capillaria hepatica, egg-releasing mechanisms and transmission ecology among Norway rat populations, cannibalism serves as primary egg-releasing mechanism with secondary role played by predators and normal death and decomposition, minor role of carrion insects and soil invertebrates: Baltimore Zoo

Cannibalism
Haberkorn, A., 1976, Ztschr. Parasitenk., v. 50 (2), 194-195
Blastocrithidia triatomae, course of infection in Triatoma infestans, transmission by coprophagy and cannibalism

Carbohydrates. [*See also* Biochemistry; Metabolism]

Carbohydrates
Alves, M. J. M.; and Colli, W., 1974, J. Protozool., v. 21 (4), 575-578
Trypanosoma cruzi, differential agglutination of epimastigotes vs. trypomastigotes by concanavalin A, results suggest differences in membrane structure between blood and culture forms which might be related to different pathogenic properties

Carbohydrates
Anwar, N.; et al., 1977, Ztschr. Parasitenk., v. 51 (3), 275-283
Setaria cervi, enzymes of glycolysis and PEP-succinate pathway

Carbohydrates
Anwar, N.; Ansari, A. A.; and Ghatak, S., 1976, Proc. Indian Nat. Sc. Acad., Part B, Biol. Sc., v. 41 (6), 1975, 550-558
Setaria cervi, hexose utilization and glycogen synthesis in vitro

Carbohydrates
Arme, C., 1975, Ztschr. Parasitenk., v. 47 (3), 211-215
Diclidophora merlangi, chemical composition, element analysis, glycogen, protein, lipid, RNA, DNA, ethanol-extractable carbohydrate

Carbohydrates
Awadalla, H. N.; El-Fiky, R.; and Helmi, A. M., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (5), 410-411 [Letter]
Schistosoma mansoni, mice (exper.), possible cause of disturbance in host carbohydrate metabolism

Carbohydrates
Barrett, J., 1976, Organ. Nematodes (Croll), 11-70
energy metabolism in nematodes, extensive review

Carbohydrates
Bassal, T. T. M., 1973, J. Med. Entom., v. 10 (2), 228
Dermacentor andersoni, Ornithodoros moubata, O. savignyi, hemolymph, use of silicic acid chromatograms to detect microamounts of trehalose and other sugars

Carbohydrates
Beier, T. V.; Siim I. K.; and Hutchison, W. M., 1977, Tsitologiia, v. 19 (12), 1369-1373
Toxoplasma gondii, polysaccharides and lipids in intestinal stages from specific-pathogen-free cats

Carbohydrates
Bennett, J. L.; and Seed, J. L., 1977, J. Parasitol., v. 63 (2), 250-258
Schistosoma mansoni, epidermis of adult male worms, characterization and isolation of concanavalin A binding sites, appear to be 2 or 3 high molecular weight glycoproteins, discussion of possible immunological significance

Carbohydrates
Berens, R. L.; Brun, R.; and Krassner, S. M., 1976, J. Parasitol., v. 62 (3), 360-365
Leishmania donovani, simple monophasic medium for axenic culture which favors amastigote to promastigote transformation, promastigote size distribution and glucose consumption during cell cycle; medium also supports high population growth of L. tarentolae promastigotes and Trypanosoma cruzi (Costa Rica but not Corpus Christi strain) epimastigotes

Carbohydrates
Berens, R. L.; and Marr, J. J., 1977, Exper. Parasitol., v. 43 (2), 407-413
Leishmania donovani, L. brasiliensis, pyruvate kinase, regulatory properties in relation to regulation of glycolysis, comparison with Crithidia fasciculata

Carbohydrates
Berens, R. L.; and Marr, J. J., 1977, J. Protozool., v. 24 (2), 340-344
Leishmania donovani, L. braziliensis, phosphofructokinase probably does not play an important role in glycolysis

Carbohydrates
Boctor, F. N.; and Kamel, M. Y., 1976, Insect Biochem., v. 6 (3), 233-240
Dermacentor andersoni eggs, 2 lipovitellins, purification, characterization, immunological identity with female hemolymph proteins

Carbohydrates
Bogoiavlenskii, Iu. K.; and Koroleva, N. A., 1969, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 20, 21-29
Ascaridia galli, Hystrichis tricolor, comparison of micromorphology and histochemistry of hypodermal-muscular sac during pre-imaginal development

Carbohydrates
Bristol, J. R.; and Canaris, A. G., 1977, J. Parasitol., v. 63 (5), 940-941
Brachylaime microti, in vitro oxygen consumption, effects of age, exogenous glucose, and cyanide

Carbohydrates
Brooker, B. E., 1976, Parasitology, v. 72 (3), 259-267
Crithidia fasciculata, comparison of haptomonads attached to cuticular lining of Anopheles gambiae hindgut with those from mosquito foregut and from rosettes in culture, prominent cell coat only in former suggests cell coat formation is in response to appropriate environmental conditions, cytochemical staining indicates presence of carbohydrates

Carbohydrates
Caceres, O.; and Fernandes, J. F., 1976, Rev. Brasil. Biol., v. 36 (2), 397-410
Trypanosoma cruzi, glucose metabolism, culture under fixed conditions, growth and differentiation

Carbohydrates
Cappuccinelli, P.; Cagliani, I,; and Cavallo, G., 1975, Experientia, v. 31 (10), 1157-1159
Trichomonas vaginalis, involvement of surface concanavalin A-binding glycoprotein in adhesion to glass

Carbohydrates
Cappuccinelli, P.; and Maetinetto, P., 1972, Parassitologia, v. 14 (2-3), 251-254
Armillifer armillatus, nymph homogenate, disc electrophoresis fractionation, protein, glycoprotein, lipoprotein, mucopolysaccharide and RNA fractions

Carbohydrates
Cenedella, R. J.; and Saxe, L. H., 1971, Am. J. Trop. Med. and Hyg., v. 20 (4), 530-534
attempted evaluation of extent to which DDS inhibits glucose utilization by parasite in Plasmodium berghei infected mice, partial reversal of antimalarial activity of drug by induced hyperglycemia in host

Carbohydrates
Chakraborty, A. K.; Mehta, R. K.; and Datta, I. C., 1976, Indian J. Exper. Biol., v. 14 (5), 585-587
Ascaridia galli, tetramisole, carbohydrate utilization, neuro-transmission, enzymatic activity

Carbohydrates
Chiang, P. K., 1977, Comp. Biochem. and Physiol., v. 58 (1B), 9-12
Biomphalaria glabrata, glycogen metabolism, implications for host-parasite (Schistosoma mansoni) relationship

Carbohydrates
Clarkson, A. B., jr.; and Brohn, F. H., 1976, Science (4261), v. 194, 204-206
Trypanosoma brucei brucei, T. brucei rhodesiense, mice, salicyl hydroxamic acid + glycerol block glucose catabolism of the parasite and it is rapidly destroyed but parasitemia recurs after treatment, with modification may be new approach to trypanosome chemotherapy

Carbohydrates
Codreanu-Balcescu, D., 1976, J. Protozool., v. 23 (4), 7A [Abstract]
Enterocystis, role of Golgi apparatus in elaboration of paraglycogen

Carbohydrates
Condon, W. J.; and Gordon, R., 1977, J. Invert. Path., v. 29 (1), 56-62
Neomesomermis flumenalis, effects on neuroendocrine systems and storage of fat body glycogen in larval Prosimulium mixtum fuscum and Simulium venustum

Carbohydrates
Coombs, G. H.; and Gutteridge, W. E., 1975, J. Protozool., v. 22 (4), 555-560
Plasmodium vinckei chabaudi rat-adapted strain, in vitro system (based on rocker dilution technic) that supports intraerythrocytic growth from ring to schizont stages, some reinvasion obtained but associated with decrease in parasite numbers, lactate production, glucose utilization, ^{3}H-leucine and ^{3}H-adenosine incorporation

Carbohydrates
Cornford, E. M.; et al., 1973, J. Protozool., v. 20 (4), 503
Trypanosoma lewisi, in vivo and in vitro effects of hyperglycemic and hypoglycemic agents

Carbohydrates
Cornford, E. M.; et al., 1975, Gen. Pharmacol., v. 6 (4), 315-323
Trypanosoma lewisi, effects of altered blood glucose levels in vivo (rats), effects of hypoglycemic and hyperglycemic agents on glucose metabolism in vitro

Carbohydrates
Cosgrove, W. B.; and Hajduk, S. L., 1975, J. Protozool., v. 22 (3), 26A [Abstract]
Trypanosoma equiperdum, inhibition of membrane transport of glucose by 2-deoxy-D-glucose, loss of motility, morphology, and infectivity, unsuccessful attempt to use in controlling established infections

Carbohydrates
Cowper, S. G., 1974, Ann. Trop. Med. and Parasitol., v. 68 (4), 415-425
continuous flow apparatus for in vitro maintenance: Schistosoma mansoni, S. haematobium, survival time, carbohydrate metabolism; Plasmodium knowlesi, morphology and carbohydrate metabolism; preliminary attempts to cultivate Trypanosoma vivax and Babesia canis

Carbohydrates
Crompton, D. W. T.; and Nesheim, M. C., 1977, Parasitology, v. 75 (2), xxi-xxii [Abstract]
Moniliformis dubius, rats, effect of host dietary starch on course of infection

Carbohydrates
Cross, G. A. M.; and Klein, R. A., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 266-267 [Abstract]
Trypanosoma brucei, utilization of amino acids and glucose during growth in culture, effects on respiration

Carbohydrates
Czerpak, R., 1970, Acta Parasitol. Polon., v. 17 (20-38), 285-292
Trichinella spiralis larvae, mice given goldthioglucose and vitamin A, oxygen uptake by diaphragm muscles, influence of host sex and age

Carbohydrates
Dawidowicz, K.; et al., 1975, J. Parasitol., v. 61 (5), 950-953
Leishmania braziliensis, infective amastigotes and promastigotes and noninfective promastigotes, agglutination by various lectins, results suggest presence of complex carbohydrate groups on surface membrane

Carbohydrates
Deelder, A. M., 1977, Trop. and Geogr. Med., v. 29 (2), 206 [Abstract]
Schistosoma mansoni, demonstration of circulating protein and polysaccharide antigens and antigen-antibody complexes in heavily infected hamsters (exper.)

Carbohydrates
Deelder, A. M.; et al., 1976, Exper. Parasitol., v. 40 (2), 189-197
Schistosoma mansoni, demonstration of two circulating antigens (probably both polysaccharides) in infected hamsters, both demonstrated in serum, adult worm extracts, and excretory-secretory products of adult worms, one also demonstrated in urine, 2 additional schistosome-derived antigens found in urine

Carbohydrates
Dendinger, J. E.; and Roberts, L. S., 1977, Comp. Biochem. and Physiol., v. 58 (2B), 215-219
Hymenolepis diminuta, activity of glycogen synthase as a function of development and with crowding

Carbohydrates
Dendinger, J. E.; and Roberts, L. S., 1977, Comp. Biochem. and Physiol., v. 58 (3B), 231-236
Hymenolepis diminuta, glycogen synthase, control of enzyme activity by glucose and glycogen

Carbohydrates
De Souza, W.; and Brasil, R. P., 1976, Ztschr. Parasitenk., v. 50 (1), 1-9
Leishmania braziliensis guyanensis, electron microscopic and cytochemical studies of concanavalin A receptors on cell membranes; agglutination; cell surface polysaccharides, glycoproteins and glycolipids

Carbohydrates
Desser, S. S.; and Weller, I., 1973, J. Protozool., v. 20 (1), 65-73
Haemogregarina sp. from Rana berlandieri (imported from Northern Mexico), intra- and extracellular gametocytes studied by light and electron microscopy, locomotion in relation to certain structural features, cytochemistry (proteinaceous and polysaccharide inclusions)

Carbohydrates
Docampo, R.; de Boiso, J. F.; and Stoppani, A. O. M., 1974, Medicina, Buenos Aires, v. 34 (5), 525-531
action of ethidium bromide on Trypanosoma cruzi metabolism (damage to kinetoplast NDNA; reduced respiration; changes in glycolysis)

Carbohydrates
Dohnalova, M.; and Kulda, J., 1977, J. Protozool., v. 24 (4), 50A [Abstract]
Tritrichomonas foetus, meagre respiration with erythritol as substrate, no stimulatory effect of erythritol on growth in vitro, results indicated that confinement of T. foetus to lumen of bovine uterus is not related to presence of erythritol at this site (in contrast to Brucella abortus)

Carbohydrates
Dunkley, L. C.; and Mettrick, D. F., 1976, Canad. J. Zool., v. 54 (7), 1073-1078
Hymenolepis diminuta, rat, effect of increasing host dietary carbohydrate uptake on growth of 14-day-old worms, comparison of glucose vs. cornstarch diets

Carbohydrates
Dunkley, L. C.; and Mettrick, D. F., 1977, Exper. Parasitol., v. 41 (1), 213-228
Hymenolepis diminuta, rats, dietary carbohydrate intake, host's intestinal and blood plasma glucose levels, worm migration

Carbohydrates
Dwyer, D. M., 1974, Science (4135), v. 184, 471-473
Leishmania donovani promastigotes, agglutination reactions with several lectins, results suggest that complex saccharide moieties are randomly distributed on the surface of this organism

Carbohydrates
Dwyer, D. M., 1975, J. Cell Sc., v. 19 (3), 621-644
Trypanosoma lewisi, bloodstream and culture forms, differential polycation-induced cell agglutination, fine-structure cytochemistry, results indicate complex polysaccharides are present in surface membranes and cell surface coat

Carbohydrates
Dwyer, D. M., 1977, Exper. Parasitol., v. 41 (2), 341-358
Leishmania donovani promastigotes, surface membrane carbohydrates

Carbohydrates
Dwyer, D. M.; and Chang, K. P., 1975, J. Protozool., v. 22 (3), 37A-38A [Abstract]
Leishmania donovani promastigotes, surface membrane terminal saccharides

Carbohydrates
Dwyer, D. M.; and Chang, K.-P., 1976, Proc. Nat. Acad. Sc., U.S.A., v. 73 (3), 852-856
Crithidia oncopelti, bacterial endosymbiote-containing vs. symbiote-free strain, comparison of surface-membrane carbohydrate ligands by lectin-mediated agglutination and lectin-ultrastructure localization

Carbohydrates
Dwyer, D. M.; and D'Alesandro, P. A., 1974, J. Protozool., v. 21 (3), 430 [Abstract]
Trypanosoma duttoni, cell surface polysaccharides

Carbohydrates
Dwyer, D. M.; and D'Alesandro, P. A., 1976, J. Protozool., v. 23 (1), 75-83
Trypanosoma musculi bloodstream forms, extracellular surface coat, fine structure, presence and distribution of carbohydrates in surface coat and pellicular membrane

Carbohydrates
Dwyer, D. M.; and D'Alesandro, P. A., 1976, J. Protozool., v. 23 (2), 262-271
Trypanosoma musculi bloodstream forms, lectin agglutination, fine structure localization of concanavalin A sites, antibody agglutinations (regular presence of surface-bound host serum proteins; induced surface adsorption of serum proteins), fine structural evidence of host serum in surface coat

Carbohydrates
El-On, J.; and Schnur, L. F., 1974, J. Protozool., v. 21 (3), 463-464 [Abstract]
Leishmania donovani, L. tropica, excreted antigens, purification and preliminary characterization

Carbohydrates
Evans, D. A.; and Brown, R. C., 1972, J. Protozool., v. 19 (4), 686-690
Trypanosoma brucei culture forms, utilization of glucose and proline

Carbohydrates
Farlow, G. E., 1976, Internat. J. Parasitol., v. 6 (6), 513-516
Babesia rodhaini, B. argentina, differences in infectivity when incubated in plasma vs. serum, role of glucose in prolonging viability, relevance of findings to living babesial vaccines in which plasma- and serum-based diluents may be used

Carbohydrates
Fayer, R.; and Thompson, D. E., 1975, J. Parasitol., v. 61 (3), 466-475
Sarcocystis sp., intracellular stages in cell culture, distribution of lipid, carbohydrate, protein, and nucleic acids, correlation with previously observed morphological features

Carbohydrates
Fioravanti, C. F.; and MacInnis, A. J., 1976, J. Parasitol., v. 62 (5), 741-748
Hymenolepis diminuta, in vitro maintenance system (modification of Schiller system), morphological and metabolic criteria as indices of worm's condition in presence and absence of various additives

Carbohydrates
Fung, H. P., 1975, J. Chinese Soc. Vet. Sc., v. 1 (2), 83-86
Trypanosoma evansi-inoculated mice, influence of glucose on number of parasites found

Carbohydrates
Gattaponi, P., 1972, Parassitologia, v. 14 (2-3), 311-316
Thelohanella pyriformis, infection of tench, Tinca tinca, vegetative stages most commonly on gills, description on gills, acid mucopolysaccharides in polar cyst walls, no appreciable damage, seasonal distribution irregular, limnological data not correlated with variation in localization and dimensions: Lake Trasimeno

Carbohydrates
Goldring, O. L.; Kusel, J. R.; and Smithers, S. R., 1977, Exper. Parasitol., v. 43 (1), 82-93
Schistosoma mansoni, origin in vitro of host-like blood group surface antigens, results show that such antigens are not synthesized by the parasite in glycolipid form and are not acquired from the host as glycoproteins

Carbohydrates
Gottlieb, M., 1977, J. Immunol., v. 119 (2), 465-470
Trypanosoma cruzi, carbohydrate-containing antigen, detection in circulation of infected mice

Carbohydrates
Gress, F. M.; and Lumsden, R. D., 1976, J. Parasitol., v. 62 (6), 927-938
Schistosoma mansoni, intrasporocyst cercariae, tegument, fine structure and cytochemistry

Carbohydrates
Grigonis, G. J., jr.; and Solomon, G. B., 1976, Exper. Parastiol., v. 40 (2), 286-297
Capillaria hepatica, egg shell in situ following freeze-dry fixation of infected mouse liver, fine structure, histochemistry

Carbohydrates
Hanna, R. E. B., 1976, Exper. Parasitol., v. 39 (1), 18-28
Fasciola hepatica, shell-protein and glycogen synthesis by vitelline follicles in tissue slices, light and electron microscope autoradiography

Carbohydrates
Hanna, R. E. B., 1976, Exper. Parasitol., v. 39 (2), 204-213
Fasciola hepatica, incorporation of galactose and glucose into glycogen and glycoprotein of various tissues (parenchyma, tegument, testis, muscle), light and electron microscope autoradiography

Carbohydrates
Harpur, R. P.; and Jackson, D. M., 1976, Comp. Biochem. and Physiol., v. 54 (4B), 455-460
Ascaris suum, isolated intestine, glucose diminished oxygen uptake (Crabtree effect), glucose caused increases in tissue carbohydrate, CO_2 evolution, and acid production, no Pasteur effect demonstrated, glutamine increased oxygen uptake in presence and absence of glucose but did not abolish Crabtree effect

Carbohydrates
Hart, R. J.; Turner, R.; and Wilson, R. G., 1977, Internat. J. Parasitol., v. 7 (2), 129-134
Hymenolepis nana, bunamidine causes decrease in glucose uptake and increase in glucose efflux and stimulation of surface phosphatase activity, suggests that disruption of integument is mode of action by which worm death is caused, ultrastructural studies confirm these biochemical indications of integumental damage

Carbohydrates
Haston, W., 1975, J. Protozool., v. 22 (3), 52A [Abstract]
Trypanosoma brucei, substrate utilization by transforming midgut forms, decreased glucose oxidation, increased proline oxidation, suggests that trypanosomes have adapted their metabolism to utilize the most available substrate in their mammalian vs. insect hosts

Carbohydrates
Henderson, D., 1977, Parasitology, v. 75 (3), 277-284
Hymenolepis diminuta, in vitro rate of absorption of glucose/unit dry weight of worm falls with increasing worm age, with increasing worm weight, and with increasing infection density

Carbohydrates
Herbert, W. J.; Mucklow, M. G.; and Lennox, B., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 4 [Demonstration]
Trypanosoma brucei subspp., primary cause of death in acute murine infection characterized by convulsions is hypoglycemia with associated undetermined pathology

Carbohydrates
Hermoso Yanez, R.; and Monteoliva Hernandez, M., 1973, Rev. Iber. Parasitol., v. 33 (2-3), 427-437
Ascaris lumbricoides, perivisceral fluid, glucose and trehalose content apparently independent of maturity of parasite or nutritive state of swine host

Carbohydrates
Hermoso, R.; and Monteoliva, M., 1974, Rev. Iber. Parasitol., v. 34 (3-4), 295-304
Ascaris lumbricoides, content of trehalose, glucose, soluble glycogen and combined glycogen in sexual organs, body walls and perivisceral fluid, values before and after culture in solution without glucose, estimate of endogenous utilization

Carbohydrates
Hermoso, R.; Monteoliva, M.; and Sanchez, M., 1975, Rev. Iber. Parasitol., v. 35 (3-4), 329-337
Ascaris lumbricoides, culture in media with added glucose or hemoglobin, relationship of nutrients to total carbohydrate content of certain tissues; no clear relationship to content of specific sugars (glucose, trehalose, glycogen)

Carbohydrates
Homewood, C. A.; and Atkinson, E. M., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 26-27 [Demonstration]
P[lasmodium] berghei: carbohydrate metabolism; dependence of chloroquine-induced pigment clumping on composition of culture medium

Carbohydrates
Homewood, C. A.; and Howells, R. E., 1973, J. Protozool., v. 20 (4), 526-527
Plasmodium berghei, cyclical changes in carbohydrate metabolism, gain and loss of enzymes of citric acid cycle follows change of host

Carbohydrates
Homewood, C. A.; Neame, K. D.; and Momen, H., 1975, Ann. Trop. Med. and Parasitol., v. 69 (4), 429-434
Babesia rodhaini-infected mice, red cells show marked increase in permeability as measured by entry of L-glucose

Carbohydrates
Hung, C. H.; et al., 1977, J. Biol. Chem., v. 252 (11), 3995-4001
Ascaris suum, intestinal basement membrane, analysis of polypeptide components, amino acid and carbohydrate composition

Carbohydrates
Imai, J., 1972, Nettai Igaku (Trop. Med.), v. 14 (3), 111-123
Paragonimus westermani, biochemical analysis of antigens, effects of heat, protein and carbohydrate content; reactions to agar-gel diffusion, complement fixation and electrophoresis

Carbohydrates
Itazi, O. K. A.; and Njogu, A. R., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 262 [Abstract]
Trypanosom[a] brucei, sugar nucleotides in antigen synthesis

Carbohydrates
Jackson, P. R., 1977, J. Parasitol., v. 63 (1), 8-14
Trypanosoma equiperdum, agglutination studies with 6 plant lectins before and after treatment of parasite surface by certain enzymes and other agents

Carbohydrates
Jackson, P. R.; and Fisher, F. M., jr., 1977, J. Protozool., v. 24 (2), 345-353
Trypanosoma equiperdum, carbohydrate effects on transport and short-term metabolism of amino acids

Carbohydrates
Janovy, J., jr.; et al., 1975, Proc. Oklahoma Acad. Sc., v. 55, 130-135
Herpetomonas megaseliae, cytodifferentiation in culture, changes in population composition (promastigotes, paramastigotes, opisthomastigotes), physiological changes (organisms became increasingly cyanide-sensitive, anaerobic stimulation of glucose uptake was doubled, and anaerobic acid production was halved as makeup of culture population shifted), differentiation was postulated to involve metabolic shift from anaerobic to aerobic metabolism

Carbohydrates
Johnson, J. G.; and Cross, G. A. M., 1977, J. Protozool., v. 24 (4), 587-591
Trypanosoma brucei, carbohydrate composition of variant-specific surface antigen glycoproteins

Carbohydrates
Josephson, S. L.; Weik, R. R.; and John, D. T., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 856-858
Naegleria gruberi, N. fowleri, concanavalin A-induced agglutination of N. gruberi but not N. fowleri indicating differences in polysaccharide structure of cell membranes, possible application to differentiating species and probing membrane properties associated with virulence

Carbohydrates
Khan, R. A., 1975, J. Wildlife Dis., v. 11 (2), 205-209
Trichodina oviducti-infected Raja radiata (copulatory sac wall), histopathology, restriction of infection to adult hosts may be correlated with mucopolysaccharide levels: coastal areas adjacent to St. John's, Newfoundland, Canada

Carbohydrates
Koenigk, E.; and Mirtsch, S., 1977, Tropenmed. u. Parasitol., v. 28 (1), 17-22
Plasmodium chabaudi, characterization of membrane preparations from infected and uninfected erythrocytes of mice by specific activities of membrane-associated enzymes and by patterns of proteins and glycoproteins using gel electrophoresis

Carbohydrates
Koerting, W.; and Barrett, J., 1977, Internat. J. Parasitol., v. 7 (5), 411-417
Schistocephalus solidus plerocercoids, carbohydrate catabolism

Carbohydrates
Komuniecki, R.; and Roberts, L. S., 1975, J. Parasitol., v. 61 (3), 427-433
Hymenolepis diminuta, roughage and carbohydrate content of host diet for optimal parasite growth and development

Carbohydrates
Komuniecki, R. W.; and Roberts, L. S., 1977, Comp. Biochem. and Physiol., v. 57 (1B), 45-49
Hymenolepis diminuta, hexokinase, purification and characterization, host rat starvation and refeeding have no effect on soluble hexokinase activity in this helminth

Carbohydrates
Komuniecki, R.; and Roberts, L. S., 1977, Comp. Biochem. and Physiol., v. 57 (4B), 329-333
Hymenolepis diminuta, galactose can be metabolized to limited extent but cannot substitute for glucose as nutrient source

Carbohydrates
Komuniecki, R. W.; and Roberts, L. S., 1977, Comp. Biochem. and Physiol., v. 58 (1B), 35-38
Hymenolepis diminuta, enzymes of galactose utilization, factors limiting overall galactose utilization

Carbohydrates
Krvavica, S.; et al., 1976, Vet. Arhiv, Zagreb, v. 46 (9-10), 215-229
Paramphistomum microbothrium, Neoascaris vitulorum, activity of enzymes taking part in glucose decomposition; anaerobic metabolism; metabolic pathways

Carbohydrates
Krvavica, S.; et al., 1976, Vet. Arhiv, Zagreb, v. 46 (11-12), 271-287
Metastrongylus apri, activity of enzymes taking part in glucose fermentation; aerobic metabolism; tricarboxylic acid cycle

Carbohydrates
Kumar, A.; and Rawat, J. S., 1976, Indian J. Animal Sc., v. 45 (3), 1975, 154-156
Eimeria necatrix, E. acervulina, chickens (exper.), effect on serum enzymes, blood glucose and cholesterol

Carbohydrates
Lawson, J. R., 1977, Parasitology, v. 75 (2), xi-xii [Abstract]
Schistosoma mansoni cercariae, survival in relation to environmental temperature, activity pattern, infectivity, glycogen content

Carbohydrates
de Lederkremer, R. M.; et al., 1976, Biochim. et Biophys. Acta, v. 444 (1), 85-96
Trypanosoma cruzi epimastigotes, lipopeptidophosphoglycan, isolation, purification, compositional analysis

Carbohydrates
de Lederkremer, R. M.; et al., 1977, European J. Biochem., v. 74 (2), 263-267
Trypanosoma cruzi, fatty acid composition of an isolated lipopeptidophosphoglycan

Carbohydrates
Lehane, M. J.; and Laurence, B. R., 1977, Parasitology, v. 74 (1), 87-92
Brugia pahangi, susceptible and refractory mosquitoes, flight muscle ultrastructure, changes during parasite melanization in 'resistant' Anopheles labranchiae atroparvus, comparison with lack of change in 'susceptible' Aedes togoi and 'resistant' Aedes aegypti, decrease of glycogen in all 3 spp.

Carbohydrates
Lom, J.; and Nohynkova, E., 1977, J. Protozool., v. 24 (4), 52A [Abstract]
Trypanoplasma borelli bloodstream phase, surface coat, presence of carbohydrates

Carbohydrates
Loseva, N. G., 1975, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 25, 95-97
Alfortia edentatus, Delafondia vulgaris, histochemistry of intestine, low glycogen content related to blood feeding; quantity and distribution of nucleic acids

Carbohydrates
McManus, D. P., 1977, Parasitology, v. 75 (2), xxi [Abstract]
Echinococcus granulosus horse and sheep strains, E. multilocularis, differences in biochemical composition and carbohydrate metabolism

Carbohydrates
Madel, G.; and Scholtyseck, E., 1976, Ztschr. Parasitenk., v. 49 (1), 81-92
Sphaerularia bombi, evaginated tubular reproductive tract, light and electron microscopy of tube cells, cytochemistry of fat body cells of parasite

Carbohydrates
Manohar, L.; and Rao, P. V., 1977, Indian J. Exper. Biol., v. 15 (4), 264-267
Prosthogonimus sp.-infected Lymnaea luteola, gluconeogenic precursor levels and related enzyme activity profiles, alterations in host metabolism aimed at meeting demands of parasite

Carbohydrates
Manohar, L.; and Rao, P. V., 1977, Indian J. Exper. Biol., v. 15 (4), 268-270
[Prosthogonimus sp.]-infected Lymnaea luteola vs. uninfected snails, in vitro gluconeogenesis in isolated pedal muscle slices

Carbohydrates
Marr, J. J.; Birenbaum, M. E.; and Ladenson, J. H., 1977, Exper. Parasitol., v. 42 (2), 322-330
Crithidia fasciculata, aerobic fermentation, in vivo studies, appearance kinetics of intermediates, regulation

Carbohydrates
Marr, J. L., 1976, Proc. Indiana Acad. Sc., v. 85, 1975, 411-417
Tritrichomonas suis, in vitro culture in chick chorio-allantoic fluid resulted in lower numbers and smaller individuals than in commercial C.P.L.M. medium; difference perhaps based on different carbohydrate utilization

Carbohydrates
Martin, E.; et al., 1976, J. Protozool., v. 23 (4), 600-607
Leishmania, 4 human spp. compared, promastigotes, occurrence and levels of activity of various enzymes of carbohydrate catabolism

Carbohydrates
Matthews, H. M.; and Daly, J. J., 1975, J. Protozool., v. 22 (1), 139-145
Trichomonas gallinae, influence of type of growth carbohydrate on subsequent ability to utilize glucose, maltose, or galactose

Carbohydrates
Mead, R. W., 1976, J. Parasitol., v. 62 (2), 328-329
Hymenolepis diminuta migration in rat intestine, effect of abnormal glucose distribution, posterior movement of cestodes in response to posterior movement of glucose

Carbohydrates
Mead, R. W., 1976, Tr. Am. Micr. Soc., v. 95 (2), 183-188
Hymenolepis diminuta, distribution of amylase activity within infected and uninfected rat intestine using starch substrate film method, no difference in relative amylase activity, results indicated that differences in starch digestion between infected and uninfected rats were not due to changes in distribution of intralumenal amylase along the small intestine

Carbohydrates
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Leishmania brasiliensis, pathways of glucose and acetate oxidation

Carbohydrates
Meingassner, J. G.; et al., 1977, Ztschr. Parasitenk., v. 51 (3), 219-228
Toxoplasma gondii cysts from mouse brains, histochemistry of carbohydrate metabolism

Carbohydrates
Mitterer, K.-E., 1975, Ztschr. Parasitenk., v. 48 (1), 35-45
Dicrocoelium dendriticum miracidia, hatching with formic acid, caproic acid and intestinal juice of Helix pomatia, absence of O_2, presence of bacteria; indirect dependence on pH; permeabilities and osmotic pressure; hypothesis of hatching mechanism: granular gland activation releases enzyme, polysaccharide digested to oligosaccharide, rising osmotic pressure bursts operculum

Carbohydrates
Molfi, A., 1976, Arq. Biol. e Tecn., v. 19 (1), 9-14
Eurytrema coelomaticum, histochemistry of polysaccharides, cuticle, subcuticular cells, parenchyma and uterine secretion

Carbohydrates
Momen, H., 1976, Parasitology, v. 73 (2), xvi [Abstract]
Plasmodium spp., Babesia spp., Anthemosoma garnhami, carbohydrate metabolism: enzyme activity, glucose catabolism

Carbohydrates
Momen, H.; Homewood, C. A.; and Neame, K. D., 1975, Ann. Trop. Med. and Parasitol., v. 69 (4), 519-520
Anthemosoma garnhami-infected mice, red cells show marked increase in permeability as measured by entry of L-glucose

Carbohydrates
Monteoliva Hernandez, M., 1973, Rev. Iber. Parasitol., v. 33 (4), 599-606
Ascaris, motility studies in vitro, motility longer with glucose than when fasting; longer at 25° C than at 37° C; younger worms more active than mature ones

Carbohydrates
Moon, T. W.; et al., 1977, J. Exper. Zool., v. 200 (3), 325-336
Hymenolepis diminuta, properties of pyruvate kinase and phosphoenol-pyruvate carboxykinase (the two enzymes that determine preferential accumulation of either succinate or lactate as end products of carbohydrate metabolism)

Carbohydrates
Mousa, W.; Waslien, C. I.; and Mansour, M. M., 1976, Am. J. Trop. Med. and Hyg., v. 25 (5), 709-713
human schistosomiasis, levels of serum glycoprotein, protein-bound hexose and seromucoid before and after niridazole, relationship to renal, intestinal and hepatic damage caused by infections

Carbohydrates
Mukkada, A. J.; et al., 1974, J. Protozool., v. 21 (2), 393-397
Leishmania tropica, role of exogenous glucose in growth media, delayed utilization

Carbohydrates
Newland, B. G.; and John, D. T., 1977, Virginia J. Sc., v. 28 (2), 65 [Abstract]
Plasmodium berghei, mice, pretreatment with bacterial endotoxin and lipid A (endotoxin-pretreated mice demonstrated increased resistance; lipid A had little effect)

Carbohydrates
Nielsen, M. H., 1976, Acta Path. et Microbiol. Scand., v. 84B (4), 205-216
fine structure of Trichomonas vaginalis cells obtained from exponential phase of growth and from stationary culture, comparative study of endocytotic capacity and surface coats of cells from two types of culture

Carbohydrates
Njogu, A. R.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 147-148 [Abstract]
Trypanosoma brucei subgroup, evidence that 4S (surface) antigens located on outer surface of cell membrane

Carbohydrates
Operti, M. S., 1973, J. Protozool., v. 20 (4), 530
E[ndotrypanum] schaudinii, effect of CO_2 in glucose and glycerol metabolism

Carbohydrates
Opperdoes, F. R.; Borst, P.; and Fonck, K., 1976, FEBS Letters, v. 62 (2), 169-172
Trypanosoma brucei, inhibition of glycerol-3-phosphate oxidase by salicylhydroxamic acid but motility and ATP production not drastically affected nor course of infection in rats, evidence for deficiencies in present ideas on trypanosome glycolysis, implications for chemotherapy

Carbohydrates
Orpin, C. G.; Huskisson, N. S.; and Ward, P. F. V., 1976, Parasitology, v. 73 (1), 83-95
Moniezia expansa, glycogen, physical and chemical properties, molecular structure

Carbohydrates
Ozanich, K. M.; and Marr, J. J., 1976, Abst. Ann. Meet. Am. Soc. Microbiol., 141
Crithidia fasciculata, regulation of glycolysis, absence of feedback inhibition of phosphofructokinase

Carbohydrates
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Hymenolepis microstoma, mechanism of glucose transport and accumulation, sodium requirement

Carbohydrates
Pappas, P. W.; and Hansen, B. D., 1977, J. Parasitol., v. 63 (5), 800-804
Hymenolepis diminuta, chloride-sensitive glucose transport

Carbohydrates
Patil, H. S.; and Rodgi, S. S., 1976, Proc. Indian Acad. Sc., Sect. B, v. 84 (2), 37-41
Paramphistomum cervi, histochemical localization and distribution of α-glycerophosphate, lactate, glucose-6-phosphate and 6-phosphogluconate dehydrogenases, results suggest existence of both Embden-Meyerhof and pentose-phosphate pathways for carbohydrate metabolism

Carbohydrates
Peczon, B. D.; et al., 1977, J. Biol. Chem., v. 252 (11), 4002-4006
Ascaris suum, intestinal basement membrane, characterization of carbohydrate units

Carbohydrates
Philippe, M., 1974, J. Protozool., v. 21 (3), 474-475 [Abstract]
Gregarina blaberae, trophozoite and cyst, analysis of polysaccharides

Carbohydrates
Philippe, M.; and Cottin, R., 1976, J. Protozool., v. 23 (4), 17A [Abstract]
Gregarina blaberae, cell surface membrane, carbohydrates

Carbohydrates
Philippe, M.; and Schrevel, J., 1977, J. Protozool., v. 24 (4), 63A [Abstract]
Gregarina blaberae, proteins and glycoproteins of cortical membranes

Carbohydrates
Pietrushka, D., 1977, J. Protozool., v. 24 (4), 66A [Abstract]
Isospora belli, various stages, contents of glycogen and fats

Carbohydrates
Podesta, R. B., 1977, Exper. Parasitol., v. 43 (1), 12-24
Hymenolepis diminuta, effect of unstirred water layers on apparent influx kinetics of glucose, galactose, and alanine uptake by worms incubated in vitro

Carbohydrates
Podesta, R. B.; Evans, W. S.; and Stallard, H. E., 1977, Exper. Parasitol., v. 43 (1), 25-38
Hymenolepis diminuta, Hymenolepis microstoma, effect of ouabain on unidirectional uptake of glucose, galactose, and alanine in vitro

Carbohydrates
Podesta, R. B.; and Mettrick, D. F., 1976, Canad. J. Zool., v. 54 (5), 694-703
lack of clinical manifestations in Hymenolepis diminuta-caused maldigestion and malabsorption in rats, determination of compensatory mechanisms including enhanced glucose- and bicarbonate-stimulated transport in infected small intestine, low mucosal permeability, and functional compensation by colon

Carbohydrates
Podesta, R. B.; and Mettrick, D. F., 1976, Internat. J. Parasitol., v. 6 (2), 163-172
Hymenolepis diminuta, interrelationships between in situ fluxes of water, electrolytes, and glucose, hypothesis concerning function of hypertonic fluid absorption in acid-base regulation and energy metabolism

Carbohydrates
Popiel, I.; and James, B. L., 1976, Ztschr. Parasitenk., v. 51 (1), 71-77
Cercaria linearis, C. stunkardi, effect of glycogen and glucose on oxygen consumption of daughter sporocysts

Carbohydrates
Rahko, T., 1972, Acta Vet. Scand., v. 13 (4), 563-574
Dicrocoelium dendriticum, Fasciola hepatica, histochemical comparison of carbohydrate-rich compounds in bile-duct walls of infected goats

Carbohydrates
Rahko, T., 1972, Acta Vet. Scand., v. 13 (4), 575-584
Dicrocoelium dendriticum and Fasciola hepatica, comparison of histochemical pathology of infected goats showing increase in number of hepatic mast cells and occurrence of globule leucocytes in bile-duct walls

Carbohydrates
Rahman, M. S.; and Bryant, C., 1977, Internat. J. Parasitol., v. 7 (5), 403-409
Moniezia expansa, effects of mebendazole and cambendazole on respiratory metabolism

Carbohydrates
Ramanaiah, B. V.; and Agarwal, S. M., 1975, Indian J. Exper. Biol., v. 13 (2), 221-222
Clinostomum complanatum, Euclinostomum heterostomum, glycogen content, less in adults than in metacercariae; oxygen deficient habitat of metacercariae necessitates frequent glycolysis, adults in heron mouth cavity utilize atmospheric oxygen; starvation of both stages in vitro quickly depletes glycogen, host starvation reduces metacercarial glycogen less but significantly

Carbohydrates
Reissenweber, N. J.; et al., 1975, Ztschr. Parasitenk., v. 48 (1), 25-33
Echinococcus granulosus, hydatid cysts from human lungs, scolices and brood capsules, histochemistry and histoenzymology, enzymes, lipids, glycogen, RNA, metabolic pathways, various types of cells in brood capsules

Carbohydrates
Rengaraju, V.; and Das, E. N., 1976, Acta Histochem., v. 57 (2), 263-269
Centrorhynchus falconis, histochemistry

Carbohydrates
Rew, R. S.; and Saz, H. J., 1977, J. Parasitol., v. 63 (1), 123-129
Litomosoides carinii, Dipetalonema viteae, and particularly Brugia pahangi microfilariae, oxygen requirements, carbohydrate metabolism, effect of levamisole

Carbohydrates
Richards, A. J.; et al., 1977, Internat. J. Parasitol., v. 7 (2), 153-158
Nippostrongylus brasiliensis, in vitro incubation with prostaglandin E_1, effect on glycolysis, on worm morphology, and on survival in vivo, results support view that prostaglandins play vital role in mechanism of worm expulsion

Carbohydrates
Ridley, R. K.; Slonka, G. F.; and Leland, S. E., jr., 1977, J. Parasitol., v. 63 (2), 348-356
Cooperia punctata, L_4 and adult stages grown in vitro, utilization of propionic acid, use of propionate by worms would result in depriving ruminant host of some of its necessary glucogenic precursors and could account for specific pathogenic mechanism attendant to heavy infections

Carbohydrates
Rogers, S. H., 1976, Exper. Parasitol., v. 40 (3), 397-405
Schistosomatium douthitti, adults, carbohydrate metabolism, glycolysis is major mechanism for energy production but at least two aerobic pathways exist

Carbohydrates
Roseby, F. B., 1977, Austral. J. Agric. Research, v. 28 (4), 713-719
Trichostrongylus colubriformis, sheep, glucose metabolism, rate of glucose synthesis higher in infected sheep compared with controls on same feed intake

Carbohydrates
Ross, G. W.; and Knight, R., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 560-567
Entamoeba histolytica, dietary factors affecting pathogenicity in rats, effect of low protein and low protein-high carbohydrate diets, measurements of bacterial flora, pH, and redox potential

Carbohydrates
Rubin, H.; and Trelease, R. N., 1975, J. Parasitol., v. 61 (4), 577-588
Ascaris suum, developing larvae, correlation of ultrastructural changes in lipid body and glycogen patterns with certain biochemical events occurring during lipid to carbohydrate interconversion, elucidation of specific tissue sites and accompanying organelles associated with this metabolic conversion

Carbohydrates
Russi, S.; Siracusano, A.; and Vicari, G., 1974, J. Immunol., v. 112 (3), 1061-1069
Echinococcus granulosus, hydatid cysts of sheep and human origin, isolation and characterization of carbohydrate antigen with blood group P_1 activity, occurrence of precipitating antibodies against this antigen in 11 of 21 sera from human cases of echinococcosis

Carbohydrates
Ryley, J. F.; Gordon, R. W.; and Stark, J. R., 1974, J. Protozool., v. 21 (4), 596-598
Eimeria bovis, E. stiedai, storage polysaccharides shown to be amylopectin

Carbohydrates
Saleh, S.; et al., 1976, Pharmacol. Research Commun., v. 8 (4), 359-368
Schistosoma mansoni in mice (exper.), comparative effects of antimonial and non-antimonial schistosomicides on host carbohydrate metabolism; antimonials did not affect metabolism while non-antimonial (niridazole) showed similar effects in host and parasite

Carbohydrates
Sanchez, G.; and Alderete, J. F., 1975, Comp. Biochem. and Physiol., v. 52 (4A), 623-626
Trypanosoma rhodesiense, adrenalectomized rats, increased parasitemia and earlier death, relation to decreases in total liver glycogen, reduced rate of glucose consumption by trypanosomes, endocrine system as possible regulator of trypanosome biochemistry, possible mechanism in pathogenesis of trypanosomiasis

Carbohydrates
Schaefer, F. W. III; et al., 1977, J. Parasitol., v. 63 (4), 687-689
Echinostoma liei, aerobic and anaerobic fermentation of glucose, production of CO_2, mixture of volatile fatty acids, lactate, and succinate

Carbohydrates
Schaefer, F. W. III; Martin, E.; and Mukkada, A. J., 1974, J. Protozool., v. 21 (4), 592-596
Leishmania tropica promastigotes, glucose transport system

Carbohydrates
Schaefer, F. W. III; and Mukkada, A. J., 1976, J. Protozool., v. 23 (3), 446-449
Leishmania tropica promastigotes, specificity of glucose transport system

Carbohydrates
Schiller, E. L.; et al., 1975, J. Parasitol., v. 61 (3), 385-389
Schistosoma mansoni, adults cultured in vitro under aerobic vs. anaerobic conditions, no differences in glucose utilization and lactic acid production, virtually no egg-laying in absence of oxygen

Carbohydrates
Schrevel, J.; et al., J. Protozool., v. 23 (4), 19A-20A [Abstract]
Gregarina blaberae, study of surface carbohydrates with lectins

Carbohydrates
Schrevel, J.; Philippe, M.; and Tronchin, G., 1975, J. Protozool., v. 22 (3), 68A [Abstract]
Gregarina blaberae trophozoite, body wall, structural, biochemical, and physiological aspects

Carbohydrates
Scofield, A. M., 1977, Internat. J. Parasitol., v. 7 (2), 159-165
Nippostrongylus brasiliensis-infected rats, intestinal absorption of hexoses, possible relation to immune reaction

Carbohydrates
Seed, T. M.; and Kreier, J. P., 1976, Infect. and Immun., v. 14 (6), 1339-1347
Plasmodium berghei, surface charge and lectin-binding capacity of isolated malaria parasites vs. host erythrocytes compared by chromatographic, electrophoretic, and cytochemical methods

Carbohydrates
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carbohydrates and phospholipids in surface coat of Trypanosoma brucei brucei, variations from most types of mammalian cells

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Toxoplasma gondii, lectin-binding sites demonstrated on cell wall of brain cysts but not on surface membrane of trophozoites

Carbohydrates
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Plasmodium knowlesi, glucose catabolism, changes during life cycle

Carbohydrates
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Carbohydrates
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Trypanosoma b. brucei, T. congolense, T. lewisi, bloodstream forms, glucose utilization

Carbohydrates
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Plasmodium lophurae-infected erythrocytes, enhanced glucose transport

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Leishmania tropica promastigotes in vitro, sensitivity to toxic effects of bilirubin (loss of viability, decreased sugar and amino acid uptake, increased efflux of intracellular sugars, hexokinase activity, lowered respiration), results suggest irreversible damage to cell membrane, possible culture loss if bilirubin concentration of hemoglobin solution used is too high

Carbohydrates
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Carbohydrates
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Trypanosoma vespertilionis and T. dionisii in culture compared, population density, morphologic alterations, changes in glucose consumption and pH of media, antigenic analysis

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Carbohydrates
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Carbohydrates
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Carbohydrates
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Acanthamoeba, Naegleria, pathogenic and nonpathogenic species (strains), susceptibility to lectin-induced agglutination

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Eimeria tenella, glycoprotein unique to cytoplasm of unsporulated oocyst, purification and partial characterization, disappearance from cytoplasm during sporulation, possible incorporation into sporozoite membranes, studies on possible role in immunity inconclusive

Carbohydrates
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Carbohydrates
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Carbohydrates
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Eperythrozoon ovis, carbohydrate metabolism, infected sheep erythrocytes, increased glucose utilization and lactic acid production

Carbohydrates
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Eperythrozoon ovis, sheep, low venous blood glucose levels, increased blood lactic acid levels

Carbohydrates
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Muellerius tenuispiculatus larvae, penetration into and development in soles of feet of Cepaea vindobonensis and Succinea putris, localization near sole glands, acid mucopolysaccharides and phospholipids in this site probably have role in larval nutrition

Carbohydrates
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Glaridacris catostomi, vitellogenesis, electron microscope study: vitelline cell differentiation; role of nucleus, its maturation and transformation during vitelline cell cytomorphosis; nuclear and cytoplasmic glycogen synthesis and storage; origin and development of shell globules

Carbohydrates
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Entamoeba histolytica, phosphorylase, particulate glycogen, subcellular distribution, characterization, particulate glycogen may be polysaccharide-protein complex

Carbohydrates
Takizawa, H.; Vivier, E.; and Petitprez, A., 1975, J. Protozool., v. 22 (3), 359-368
Nosema bombycis, cytochemistry, presence of nucleic acids, polysaccharides, and acid phosphatases demonstrated, localization in various stages of development from schizont to spore

Carbohydrates
Threadgold, L. T., 1976, Exper. Parasitol., v. 39 (1), 119-134
Fasciola hepatica, glycocalyx of tegument, more precise definition of morphology and chemistry using histochemical tests and controls combined with specific enzyme digestions and fine structural studies, variations depending on environment immediately prior to fixation and also on fixation and postfixation treatment

Carbohydrates
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changes in uninfected rhesus monkey erythrocytes incubated in vitro (osmotic fragility, acetylthiocholinesterase activity, glucose catabolism, ATP content) in relation to susceptibility of these cells to invasion by Plasmodium knowlesi, results suggest that maintenance of erythrocyte surface integrity is necessary prerequisite for efficient culture system for malaria parasite

Carbohydrates
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Carbohydrates
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Ascaris suum, intestinal epithelium, carbohydrate cytochemistry, microvilli surface, basal lamella, electron microscopy

Carbohydrates
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Hymenolepis diminuta, evidence for sodium ion exchange carrier linked with glucose transport across brush border, proposed model for glucose transport system

Carbohydrates
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Schistosoma mansoni, adults, mechanisms of sugar transport and metabolism, differences in males, females, and pairs

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Carbohydrates
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Cephaloidophora conformis in Pachygrapsus marmoratus (caecum digestif anterieur), carbohydrate metabolism of host and parasite: region de Marseille

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Eimeria tenella oocysts, amylopectin granules, isolation, purification, composition, identification of amylopectin phosphorylase, preliminary studies on properties and regulation

Carbohydrates
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host-induced histochemical variations in Telorchis bonnerensis reared in Ambystoma tigrinum vs. Chelydra serpentina, histochemical resemblance to T. corti when both reared in C. serpentina

Carbohydrates
Watts, S. D. M., 1977, Parasitology, v. 75 (2), xviii [Abstract]
Schistosoma mansoni, effect of 1,7,bis(p-aminophenoxy)heptane (153C51) on glucose transport, schistosomicidal activity apparently not due to this effect

Carbohydrates
Wheater, P. R.; and Wilson, R. A., 1976, Parasitology, v. 72 (1), 99-109
Schistosoma mansoni, tegument, histochemistry, main components are neutral glycoprotein and phospholipid, differentiation from other schistosome tissues on the basis of marker enzymes

Carbohydrates
Wilkins, D.; and Lee, D. L., 1976, Parasitology, v. 72 (1), 51-63
Histomonas meleagridis, caecal wall and liver of infected turkey poults, changes in amount and distribution of acid and alkaline phosphatase, non-specific esterase, glycogen, lipid, and acid mucopolysaccharide

Carbohydrates
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Haemonchus contortus, Nippostrongylus brasiliensis, infective larvae, carbohydrate content and ageing process contrasted; carbohydrate level variation in H. contortus due to capacity to synthesize glycogen during ageing, low level in N. brasiliensis remains constant

Carbohydrates
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Quinqueserialis quinqueserialis, cirrus tegument, ultrastructure, histochemical tests suggest major component is glycoprotein

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Plasmodium gallinaceum, control of gamete formation (exflagellation) in vitro solely by change in pH in blood as it moves from environment of circulation to that of atmosphere, the pH rise being mediated by fall in carbon dioxide tension as blood equilibrates with atmosphere

Carbon dioxide
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Toxoplasma gondii in controlled-environment culture system, effect of various factors on penetration of host cells by parasites (bicarbonate ion, CO_2, pH, and host cell culture age)

Carbon dioxide
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Syphacia muris, effect of external stimuli on egg hatching (enzymes of intestinal tract, temperature, pH, pCO_2, redox potential), results indicate hatching mechanism of oxyurids identical to that of various nematodes which hatch in intestinal tract but dependent on environment to appreciably lesser extent

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Fasciola gigantica, bile less important than carbon dioxide in activation of metacercariae prior to excystment

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Eimeria spp., effect of substituting various gases for CO_2 in established excystation procedure, evidence that role of CO_2 is that of allosteric effector enhancing action of reducing agent

Carbon dioxide
Jolley, W. R.; et al., 1976, J. Parasitol., v. 62 (2), 199-202
Eimeria stiedai, E. tenella, formation of sulfhydryl groups in walls of oocysts subjected to in vitro excystation, effect of cysteine hydrochloride-CO_2 complex on oocyst wall proteins

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Eimeria tenella, E. stiedai, in vitro excystation, formation of carbon dioxide-cysteine complex in incubation fluid

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Linstead, D. J.; Klein, R. A.; and Eldridge, M. V., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 267-268 [Abstract]
Trypanosoma mega, T. brucei, Crithidia fasciculata, presence of 3 enzymes capable of carbon dioxide fixation in culture as source of carbon for metabolism

Carbon dioxide
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techniques for shipping large numbers of Haematobia irritans, O_2 depletion and CO_2 accumulation critical factors in survival of flies, laboratory and field trials

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E[ndotrypanum] schaudinii, effect of CO_2 in glucose and glycerol metabolism

Carbon dioxide
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Labiostrongylus eugenii, exsheathment, important components of stimulus were pCO_2, pH, and temperature, similar to trichostrongylids

Carbon dioxide
Sommerville, R. I., 1977, J. Parasitol., v. 63 (2), 344-347
Haemonchus contortus, development in vitro, effect of rumen fluid and of a succession of media which incorporated changes in pH, pCO_2, and pO_2 likely to be encountered in transition from rumen to abomasum

Carbon dioxide
Sommerville, R. I.; and Davey, K. G., 1976, Internat. J. Parasitol., v. 6 (5), 433-439
Anisakis sp. larva, cuticle formation and ecdysis in vitro, development restarted by physico-chemical stimuli (effect of different media, carbon dioxide, storage, temperature), feeding does not occur until after moulting

Carbon dioxide
Yamaguchi, E.; and Nakabayashi, T., 1976, Nettai Igaku (Trop. Med.), v. 18 (1), 45-48
Plasmodium gallinaceum, influence of temperature and carbon dioxide on exflagellation in vitro

Cardiovascular system. [See also Blood; Heart; Lymphatic system]

Cardiovascular system
Akoun, G.; et al., 1972, Nouv. Presse Med., v. 1 (16), 1100 [Letter]
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Cardiovascular system
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Spirocerca lupi, high mortality from aneurysms of thoracic aorta of lemurs

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Cardiovascular system
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Cardiovascular system
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Babesia argentina, calves (exper.) given betamethasone, fatal pulmonary edema, hematological changes, histopathology, findings established occurrence of disseminated intravascular coagulation

Cardiovascular system
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Cardiovascular system
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Strongylus vulgaris, single experimental infections of worm-free pony foals, clinical signs, pathology (intestinal and arterial lesions), and clinical pathology (haematology, serum proteins)

Cardiovascular system
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Cardiovascular system
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Cardiovascular system
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Cardiovascular system
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Cardiovascular system
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Trypanosoma gambiense, human, no evidence of disseminated intravascular coagulation, moderate degree of thrombocytopenia, raised levels of fibrin degradation products; failure to produce thrombocytopenia in vitro

Cardiovascular system
Gross, D. R.; et al., 1975, Southwest Vet., v. 28 (3), 233-238
Dirofilaria immitis, dog, severe pulmonary hypertension, case report

Cardiovascular system
Henderson, D. W.; et al., 1974, Pathology, v. 6 (3), 235-241
Pneumocystis carinii pneumonia in elderly woman with extensive vascular and lymph nodal involvement, clinical case report: South Australia

Cardiovascular system
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Cardiovascular system
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extensive review of pathologic findings associated with human Trypanosoma cruzi infections with emphasis on cardiovascular, respiratory and digestive systems, importance of destruction of nerve cells in acute phase of infections making it a problem of prevention rather than treatment of disease: Brazil

Cardiovascular system
Kotani, T.; Tomimura, T.; and Mochizuki, H., 1976, Japan. J. Vet. Sc., v. 38 (5), 495-506
Dirofilaria immitis, dogs, postmortem pulmonary angiography, gross and histopathological observations

Cardiovascular system
Kunzle, J. E.; de Britto-Costa, R.; and Ziliotto, A., jr., 1976, Bol. Chileno Parasitol., v. 31 (1-2), 2-5
Chagas disease in humans, duodenal arteriomesenteric occlusion, case reports, need for consideration in differential diagnosis and etiology of duodenal ileus: Sao Paulo, Brazil

Cardiovascular system
Leger, L.; et al., 1974, Medecine Trop., v. 34 (6), 725-736
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Cardiovascular system
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Plasmodium berghei-infected Mesocricetus auratus, macrophage interactions with pulmonary vasculature during acute infection and after drug therapy

Cardiovascular system
Mazaud, R.; Pelloux, H.; and Ferrus, R., 1974, Medecine Trop., v. 34 (1), 7-24
Brugia malayi, Fasciola hepatica, humans, cardiovascular complications resulting from cell-mediated immunity

Cardiovascular system
Nordstoga, K.; and Westbye, K., 1976, Acta Path. et Microbiol. Scand., Sect. A., Path., v. 84A (3), 291-296
pathologic findings in polyarteritis nodosa associated with Nosema cuniculi in blue foxes, possible relationship to immunological disturbance

Cardiovascular system
Perce, R. B.; and Shideler, R. K., 1976, Vet. Med. and Small Animal Clin., v. 71 (8), 1103-1107
Strongylus vulgaris, horse, septic thrombosis, case report, pathology

Cardiovascular system
Prasad, M. C.; and Bhalla, N. P., 1977, Indian Vet. J., v. 54 (2), 97-101
Elaeophora poeli, Bubalus bubalis, pathology of parasitic aortitis

Cardiovascular system
Rawlings, C. A.; Losonsky, J. M.; and Lewis, R. E., 1977, Am. J. Vet. Research, v. 38 (9), 1365-1369
dogs infected with Dirofilaria immitis but without pulmonary hypertension showed exaggerated increase of pulmonary artery pressure when subjected to hypoxia, apparently due to increased pulmonary vascular resistance; possible implications for pulmonary hypertension in humans

Cardiovascular system
Rodriguez Diaz, E.; and Renteria Cardenas, A. A., 1974, Bol. Med. Hosp. Inf., v. 31 (2), 321-331
hepatic amoebiasis, child, complicated by portal hypertension, case report: Mexico

Cardiovascular system
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Besnoitia-like organism, aortitis in Calidrus canutus, electron microscopy: Gulf coast of Florida

Cardiovascular system
Slonka, G. F.; Castleman, W.; and Krum, S., 1977, J. Am. Vet. Med. Ass., v. 170 (7), 717-719
Dirofilaria immitis, dog, mature worms in femoral and other systemic arteries, ischemic necrosis to abdominal viscera and hindlimbs, posterior paresis and paralysis

Cardiovascular system
Sutoh, M.; et al., 1976, Exper. Rep. Equine Health Lab. (13), 60-78
Strongylus vulgaris, foals, occurrence, clinical signs, pathologic changes in mesenteric artery and related blood vessels caused by larval migration: Hidaka district, Hokkaido

Cardiovascular system
Tabatabai, M.; et al., 1975, Ann. Parasitol., v. 50 (1), 7-15
Echinococcus granulosus, administration of ovine hydatid fluid to sheep, cardiovascular and respiratory responses caused 50% mortality, possible immunological basis

Cardiovascular system
Takeuchi, A.; and Phillips, B. P., 1976, Virchows Arch., B Cell Path., v. 20 (1), 1-13
Entamoeba histolytica, guinea pigs, early stages in development of acute amebic colitis, cellular and vascular changes accompanying invasion of lamina propria (continued epithelial shedding, polymorphonuclear leukocyte degeneration, endothelial damage and occlusive thrombosis in capillaries and venules)

Cardiovascular system
Vincent, A. L.; Frommes, S. P.; and Ash, L. R., 1976, Exper. Parasitol., v. 40 (3), 330-354
Brugia, 3 spp. in Meriones unguiculatus, pulmonary pathology, results suggest that localization in pulmonary arteries should not be considered an aberrant mode of development

Cardiovascular system
Wright, I. G., 1975, Vet. Parasitol., v. 1 (1), 91-96
purification of esterase from Babesia argentina, probable role in in vitro activation of plasma prekallikrein, implications for mechanism of vasodilatory shock and disseminated intravascular coagulation in acute infections

Cardiovascular system
Wright, I. G.; and Kerr, J. D., 1977, J. Comp. Path., v. 87 (4), 531-537
Babesia bovis, splenectomized calves, decreases in blood pressure and packed cell volume, plasma kallikrein activation started, possibly by parasite secretions

Cardiovascular system
Zak, F., 1975, Pathol. et Microbiol., v. 43 (2-3), 150 [Abstract]
aortic calcifications in cattle resulting from Onchocerca armillata infection: West Sudan

Carriers. See Disease transmission; Vectors.

Caspian Sea. See Seas, Caspian Sea.

Catabolism. See Metabolism.

Celebes. See Indonesia, Celebes.

Cell division. See Gametogenesis; Mitosis; Reproduction.

Cell-mediated immunity. See Immunity, Cell-mediated.

Cellular immunity. See Immunity, Cell-mediated.

Central African Republic
Pampiglione, S.; and Ricciardi, M. L., 1974, Riv. Parassitol., Roma, v. 35 (3), 161-188
parasitological survey, pygmies, Babinga group vs. Bantu, non-pygmy population: district of Lobaye

Central African Republic
Ricciardi, M. L., 1972, Parassitologia, v. 14 (2-3), 347-351
survey of human intestinal parasites, comparison between Bantu and immigrated Europeans living on same farm, differences due to environmental, hygienic and dietary conditions: district of Lobaye
(E. histolytica; E. coli; E. nana; J. buetschlii; D. fragilis; G. intestinalis; C. mesnili; T. intestinalis; Ascaris lumbricoides; T. trichiura; Necator americanus; Strongyloides stercoralis; Strongyloides fuelleborni; S. mansoni)

Central America
Sasa, M., 1974, Internat. Med. Found. Japan. Reporting series (4), 3-48
human filariasis in the Americas, extensive review, epidemiology, geographic distribution, mosquito vectors, control measures, literature review

Centrifugation
Damian, R. T., 1976, J. Parasitol., v. 62 (1), 168-169
Nematospiroides dubius, separation and cleaning of infective larvae and eggs from gross fecal contaminants, centrifugation on Ficoll-Isopaque cushion

Centrifugation
Edwards, C.; and Lloyd, D., 1977, J. Gen. Microbiol., v. 100 (2), 339-346
Crithidia fasciculata, subcellular fractionation by differential and zonal centrifugation of digitonin-treated suspension; distribution of enzymes after fractionation; lysosomes and mitochondria separated

Centrifugation
Eling, W. M. C., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (3), 267-268
Plasmodium berghei-infected mice (exper.), centrifugation technique for separation of parasitized erythrocytes from infected mouse blood

Centrifugation
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Plasmodium vivax, P. falciparum, human, centrifuged vacutainer of venous blood procedure of choice in quantitative comparisons of methods of thin blood smear preparations for diagnosis

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simple filtration technique to diagnose human urinary schistosomiasis, useful in mass epidemiologic surveys, comparison with sedimentation-centrifugation technique

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Check list. See Indices.

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survey of primary school children for intestinal parasites: La Union, Chile
(Entamoeba coli; Endolimax nana; Iodamoeba buetschli; Giardia lamblia; Ascaris lumbricoides; Trichuris trichiura; Enterobius vermicularis)

Chile
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parasitological examination of stool samples from food handlers: Concepcion, Chile
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parasites identified in cattle, sheep, pigs and equines in the Laboratory of Parasitic Diseases of the School of Veterinary Medicine, University Austral of Chile, 1963-1973

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Chile
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survey for human intestinal parasites in various zones of Chile
(Entamoeba histolytica; E. coli; Endolimax nana; Chilomastix mesnili; Giardia lamblia; Ascaris lumbricoides; Trichuris trichiura; Hymenolepis nana; Taenia sp.)

Chile
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parasitological survey in boarding school: Chile
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survey of intestinal parasites in children and food handlers: Valdivia, Chile
(Entamoeba histolytica; E. coli; Endolimax nana; Iodamoeba buetschlii; Chilomastix mesnili; Giardia lamblia; Ascaris lumbricoides; Trichuris trichiura; Hymenolepis nana; Balantidium coli; Taenia sp.; Hymenolepis diminuta; Fasciola hepatica; Trichostrongylus sp.)

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Schistosoma japonicum, brief statistical review of prevalence and distribution of human schistosomiasis in Taiwan and mainland China

Cholangitis. See Biliary tract.

Cholecystitis. See Gall bladder.

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Chromosomes
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Trichinella nelsoni, laboratory strain, karyotype of males and females

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Schistosoma margrebowiei, compatible with Bulinus tropicus group snails and B. truncatus and B. reticulatus groups, partially compatible with some B. forskali group, and incompatible with B. africanus group; course of infection and pathogenicity in hamsters; miracidium has epidermal cell formula of 6, 9, 4, and 3; haploid chromosome number is n = 8; isoelectric focusing of isoenzymes demonstrated interspecific differences from S. mattheei and S. leiperi

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Ascaris suum, A. ovis, no difference in karyotype, successful experimental infection of pigs with egg cultures from lambs, A. ovis should be considered synonym of A. suum

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Lytocestus indicus, chromosome number

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woman, hemato-chyluria of filarial origin, diagnosis by lymphography, case report, diethylcarbamazine

Chyluria
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Chyluria
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Circadian rhythms. See Periodicity.

Circulatory system. See Cardiovascular system.

Circumoval precipitation test. See Immunity, Precipitation.

Cirrhosis. See Liver.

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Climate and weather
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Climate and weather
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Climate and weather
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Climate and weather
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Climate and weather
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Climate and weather
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Climate and weather
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Climate and weather
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Climate and weather
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survival strategies in nematodes, review: quiescence with special reference to cryptobiosis; diapause (in unhatched larvae; in larvae outside the egg; in adult stages; induction and termination; morphological and behavioral correlates)

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Climate and weather
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Toxoplasma gondii, indirect hemagglutination test to determine prevalence in domestic and wild animals; epizootiologic factors (presence of cats, feeding habits of potential host, age and longevity of host, species and population densities of animals, and geographic and climatic factors): northern California

Climate and weather
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persistence of viable Toxoplasma gondii oocysts in soil up to 18 months in Kansas and 1 year in Costa Rica, experimentally buried infected cat feces; Musca fly, Armadillium sp., earthworms acted as transport hosts with earthworm possibly also vector as food for birds; seasonal distribution, effects of weather on infectivity

Climate and weather
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Climate and weather
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Climate and weather
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Climate and weather
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Climate and weather
Gibson, T. E.; and Everett, G., 1976, Brit. Vet. J., v. 132 (1), 50-59
Haemonchus contortus, development and survival of free-living stages on pasture studied over period of 3 years, only in July, August, and September were climatic conditions favorable, concluded that climate in Southern England is not ideal for development and survival of preparasitic stages

Climate and weather
Gibson, T. E.; and Everett, G., 1976, Research Vet. Sc., v. 20 (2), 158-161
Nematodirus filicollis, development and survival of eggs placed on grass plots over a period of a year, extraordinary persistence of eggs and larvae under weather conditions of southern England makes control difficult

Climate and weather
Gibson, T. E.; and Everett, G., 1977, Research Vet. Sc., v. 23 (2), 191-195
Ostertagia circumcincta, lambs (exper.), contribution of residual pasture larvae and the spring rise as sources of infection, weather conditions as useful tool in predicting patterns of infection and most effective preventive measures

Climate and weather
Gilot, B.; et al., 1973, Rev. Suisse Zool., v. 80 (2), 411-430
Dermacentor reticulatus, presence in suburban biotope, ecological aspects, epidemiological implications: Grenoble

Climate and weather
Hodasi, J. K. M., 1976, Ztschr. Parasitenk., v. 48 (3-4), 281-286
Fasciola hepatica, vectors, Lymnaea truncatula, uninfected, maintained at low temperature (5°C) three months, returned to normal laboratory temperature, mature snails reduced in growth and reproduction, young snails increased in longevity and reproduction; under England field conditions young snails apparently maintain population

Climate and weather
Jakhmola, S. S.; and Yadav, H. S., 1975, Indian J. Entom., v. 35 (2), 170-172
Mermis sp., degree of parasitism correlated with rainfall, biological control of caterpillars
Antigastra catalaunalis (haemocoele): Madhya Pradesh, India

Climate and weather
Jeffery, G. M.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 402-411
application of indirect fluorescent antibody test findings to assessment of endemicity of Plasmodium falciparum and P. vivax in malarial surveillance areas, climate, geography and area development as additional varying factors: Mato Grosso State, Brazil

Climate and weather
King, C. M., 1977, J. Zool., London, v. 182 (2), 225-249
Skrjabingylus nasicola, incidence and extent of damage caused in Mustela nivalis, climate, age, sex and body size of host: Britain

Climate and weather
Koller, R. L.; and Gaudin, A. J., 1977, Southwest. Nat., v. 21 (4), 503-509
helminths of Bufo boreas and Hyla regilla, recovery at 2 sites with diverse climates, statistical analysis indicates correlations between incidence and/or intensity of infection and host species, locality, and sex and size of host: Los Angeles County, California (Malibu Creek; Big Tujunga Wash)

Climate and weather
Lindberg, R., 1976, Svensk Vet.-Tidn., v. 28 (11), 509-514
horse strongylid eggs, longevity on grass plots when deposited early or late in grazing season or in winter, seasonal and climatic aspects, preliminary field study

Climate and weather
McEnroe, W. D., 1976, Bull. (633) Massachusetts Agric. Exper. Station, 10 pp.
Dermacentor variabilis, epidemiology of Rocky Mountain spotted fever, seasonal activity of tick regulated by weather: North Atlantic coastal states

Climate and weather
Mark, D. L., 1975, J. Parasitol., v. 61 (3), 484-488
Ancylostoma caninum, infective larvae, survival on outdoor bluegrass plots in 40 experiments over 1 year

Climate and weather
Mason, J., 1975, Am. J. Trop. Med. and Hyg., v. 24 (4), 581-585
Plasmodium vivax, seasonal pattern and patterns of recurrences in high-incidence coastal area, relapse pattern observed may provide for parasite survival through prolonged dry season of low transmission potential: El Salvador

Climate and weather
Mason, P. C., 1977, N. Zealand Agric. Sc., v. 11 (4), 182-183
high worm burdens of gastrointestinal nematodes in red deer during 1975 survey; low worm burdens in both treated (levamisole, cambendazole) and untreated deer during 1976 control project, concluded that climatic conditions were suitable for larval development in 1975 but not in 1976; recommendations for future parasite control: Invermay Farm, New Zealand

Climate and weather
Mueller, N. H. G., 1976, Gac. Vet., Buenos Aires (315), v. 38, 440-449
parasitic nematodes, inhibition of larval development, possible significance in cattle and sheep production; possibility of orienting anthelmintic treatment by bioclimatograph- and photoperiod-based forecast of onset of hypobiosis, review: Argentina

Climate and weather
Muraleedharan, K.; et al., 1976, Mysore J. Agric. Sc., v. 10 (1), 105-117
prevalence and incidence of Schistosoma nasale in cattle and buffaloes, disease dependent upon host age and sex, number of infected snail intermediate hosts, temperature, and rainfall: Karnataka State (Dhanayakanapura, Bangalore District; Hunchipura, Mandya District)

Climate and weather
Norval, R. A. I., 1975, J. Parasitol., v. 61 (4), 730-736
Haemaphysalis silacea, ecology: habitat preferences, distribution in relation to microclimatic conditions, seasonal activity, seasonal occurrence on hosts, sex ratio of ticks, host/tick interactions as result of host daily movements and feeding habits, site of attachment: Paardekraal Farm, Kowie River Valley, 15 km SE of Grahamstown, Eastern Cape Province, South Africa

Climate and weather
Norval, R. A. I., 1977, J. Parasitol., v. 63 (4), 734-739
Amblyomma hebraeum, distribution of larvae in relation to vegetation and microclimate, seasonal activity of all stages in relation to macroclimate, life cycle normally of 3 years duration, adult and nymphal activity correlated with daylength, temperature, and rainfall: Eastern Cape Province, South Africa

Climate and weather
Obiamiwe, B. A., 1977, Ann. Trop. Med. and Parasitol., v. 71 (1), 35-43
survey, human intestinal parasites in relation to seasonal rainfall, dietary habits, and sanitation: Benin City, Nigeria

Climate and weather
Oduye, O. O.; and Dipeolu, O. O., 1976, J. Small Animal Practice, v. 17 (5), 331-337
blood parasites of dogs, single and mixed infections, correlation between incidence and rainfall, degree of parasitaemia, infectivity rate within age groups, no significant difference in host susceptibility of local and exotic breeds to infection: Ibadan, Nigeria

Climate and weather
Ollerenshaw, C. B., 1973, Ann. Fac. Med. Vet. Torino, v. 20, Suppl., 83-121
Fasciola hepatica, ecological factors contributing to epidemiology in Britain, speculations for Italy, need for field investigations

Climate and weather
Ormerod, W. E., 1976, Science, v. 191 (4229), 815-821
possible ecological effects of trypanosomiasis control, increased cattle production leading to overgrazing and possibly to climatic change and drought: Africa

Climate and weather
Pampiglione, S.; La Placa, M.; and Schlick, G., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (5), 349-359
Leishmania donovani, epidemiological, clinical and laboratory data on outbreak of visceral leishmaniasis affecting 60 persons, liver biopsies revealed granulomatous hepatitis, outbreak possibly related to exceptionally dry summer: Emilia-Romagna, Italy

Climate and weather
Pampiglione, S.; and Ricciardi, M. L., 1972, Parassitologia, v. 14 (2-3), 329-338
Strongyloides fuelleborni, survey, geographic distribution, incidence in human feces, endemic in tropical forest regions, sporadic in savannah regions, slightly higher prevalence in children: West, Central and East Africa

Climate and weather
Papasarathorn, T.; et al., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (1), 82-92
human hookworm, epidemiologic survey, relationship of climatic conditions and soil to disease spread, suggested control measures: Soong Nern District, Korat Province, Thailand

Climate and weather
Pitchford, R. J.; and Du Toit, J. F., 1976, Ann. Trop. Med. and Parasitol., v. 70 (2), 181-187
Schistosoma intercalatum, S. leiperi, S. margrebowiei, shedding patterns and outdoor conditions affecting them, comparisons with S. haematobium

Climate and weather
Ramajo Martin, V.; and Simon Vicente, F., 1975, Anuario Cent. Edafol. y Biol. Aplic. C.S.I.C., v. 1, 137-163
Trichostrongylidae, sheep, development on pastures, climatic factors: Salamanca

Climate and weather
Redetzke, K. A.; and Canaris, A. G., 1977, Exper. Parasitol., v. 41 (1), 229-241
Brachylaime microti in snail and rodent hosts, systems analysis applied to ecology of host-parasite system, mechanistic simulation model tested against actual observations

Climate and weather
Rifaat, M. A.; et al., 1976, J. Trop. Med. and Hyg., v. 79 (3), 67-70
seroepidemiolgoic survey of stray cats for Toxoplasma gondii antibodies and role in epidemiology of human infection, no cross-immunity with Isospora spp. in relationship study, high percentage of cats surveyed shedding oocysts in feces: Cairo, Egypt

Climate and weather
Roberts, L. W.; Muul, I.; and Robinson, D. M., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 207-213
Leptotrombidium deliense, comparative determination of numbers of larvae on Rattus argentiventer, R. tiomanicus and R. exulans in two different habitats, effects of weather on chigger population, implication of chiggers as vector of scrub typhus in Peninsular Malaysia

Climate and weather
Rossi, G. A.; Brancaccio, M.; and Gatti, A., 1974, Atti Soc. Ital. Sc. Vet., v. 28, 840-845
Toxoplasma gondii, isolation from dogs with severe pneumoencephalitis, case histories, severity possibly related to distemper vaccination or winter climate

Climate and weather
Schad, G. A.; et al., 1973, Science (4085), v. 180, 502-504
Ancylostoma duodenale, human, seasonal variation in egg counts and larval abundance and distribution, evidence for occurrence of arrested development as an adaptation to a seasonally unfavorable external environment: West Bengal, India

Climate and weather
Schenone, H.; et al., 1972, Bol. Chileno Parasitol., v. 27 (1-2), 2-6
scabies, human, results of epidemiologic survey of increasing incidence, prophylactic measures instituted by public health authorities, mass treatment with lindane emulsion: Santiago, Chile

Climate and weather
Schillhorn v. Veen, T., 1974, Nigerian J. Animal Prod., v. 1 (2), 231-236
comparison of parasite fauna between emaciated and normal cattle in Zaria and Samaru slaughterhouses during 1973 (a drought year); poor nutrition lowers resistance of cattle and sheep to parasitism in drought-affected areas of Zaria; suggestions for prevention of helminthiasis during drought: Nigeria

Climate and weather
Semtner, P. J.; and Hair, J. A., 1973, J. Med. Entom., v. 10 (4), 337-344
Amblyomma americanum adults, daily and seasonal activity patterns, vertical migration, climatic conditions, different habitat types

Climate and weather
Semtner, P. J.; Sauer, J. R.; and Hair, J. A., 1973, J. Med. Entom., v. 10 (2), 202-205
Amblyomma americanum, molting time of replete nymphs under field conditions, seasonal variance; post-molt behavior of adults during first and second summer in different habitats, survival, overwintering success

Climate and weather
Shettigara, P. T.; Choi, N. W.; and Abu-Zeid, H. A. H., 1976, Am. J. Epidemiol., v. 104 (3), 340 [Abstract]
prevalence survey of prenatal sera for presence of Toxoplasma antibodies and correlation of findings with ethnic origins, socioeconomic status and climatic differences: Manitoba Province

Climate and weather
Smith, M. W., 1973, Ann. Trop. Med. and Parasitol., v. 67 (4), 483-492
Rhipicephalus appendiculatus, Amblyomma variegatum, immature stages, effect of immersion in water (in laboratory but under field conditions), implications for correlation of seasonal periodicity with rainfall

Climate and weather
Smyth, M., 1973, Austral. J. Zool., v. 21 (1), 91-101
Aponomma hydrosauri, Amblyomma albolimbatum, A. limbatum, survey, distributions overlap remarkably little over long boundaries, roughly correlated with climate, vegetation, and, in one case, soil: South Australia

Climate and weather
Southcott, W. H.; Major, G. W.; and Barger, I. A., 1976, Austral. J. Agric. Research, v. 27 (2), 277-286
sheep nematodes, seasonal pasture contamination, availability to infect grazing sheep, overwintering: Armidale, New South Wales

Climate and weather
Theis, J. H.; and Franti, C. E., 1971, J. Med. Entom., v. 8 (1), 23-28
Rhipicephalus sanguineus, dogs, survey, 1965-1966, lowered infestation rates due to dog eradication program, ecological data (distribution on host body, rainfall, temperature, humidity, seasonal distribution), analysis by multiple regression models: Singapore Island

Climate and weather
Tizard, I. R.; Fish, N. A.; and Quinn, J. P., 1976, J. Hyg., Cambridge, v. 77 (1), 11-21
extensive survey of human serum for presence of antibodies to Toxoplasma gondii and observations on probable epidemiology: Canada

Climate and weather
Van Geldorp, P. J. A.; and Schillhorn van Veen, T. W., 1976, Vet. Parasitol., v. 1 (3), 265-269
periparturient rise in faecal helminth egg counts of Udah sheep, suggested that increase was due to helminths (mainly Haemonchus sp.) which had been inhibited during dry season and resumed development at beginning of rainy season, rapid decline in egg counts 5-6 weeks after lambing considered to be due to self cure associated with high rainfall: Zaria area of Nigeria

Climate and weather
Viljoen, J. H., 1969, Onderstepoort J. Vet. Research, v. 36 (2), 233-263
nematodes of sheep, epizootiology: seasonal incidence and worm burden in relation to temperature and rainfall at three sites, availability of live infective larvae on pasture, drenching recommendations: the Karroo

Climate and weather
Wijers, D. J. B., 1977, Ann. Trop. Med. and Parasitol., v. 71 (4), 451-463
human bancroftian filariasis, dynamics of disease distribution and transmission as related to climate and vector breeding sites; microfilaremia rates as related to evidence of hydroceles and elephantiasis: Kenya

Climate and weather
Wilkinson, P. R., 1971, Acarologia, v. 12 (3), 492-508
Boophilus microplus, factors affecting distribution in RTS (reputed tick scarcity) areas as compared to tick infested areas in surrounding districts: Australia

Climate and weather
Williams, J. C.; and Bilkovich, F. R., 1973, Am. J. Vet. Research, v. 34 (10), 1337-1344
Ostertagia ostertagi, distribution of infective larvae on pasture herbage, rainfall and temperature: Louisiana

Colitis. [See also Intestine]

Colitis
Carayon, A., 1975, Medecine Trop., v. 35 (2), 119-122
human severe acute amoebic colitis, amoebomas, surgical complications, clinical management

Colitis
Carayon, A.; and Bezes, H., 1975, Medecine Trop., v. 35 (2), 123-130
acute necrotic amoebic colitis, pathology, clinical management, surgical measures

Colitis
Carayon, A.; and Gargaratchi, 1975, Medecine Trop., v. 35 (2), 169-173
pathologic sequellae after recovery from severe human amoebic colitis, case reports

Colitis
Cornet, L.; et al., 1975, Medecine Trop., v. 35 (2), 135-147
human malignant amoebic colitis, case reports, clinical and pathologic findings, surgical intervention

Colitis
Moulin, F.; Riviere, C.; and Grisez, J., 1975, Medecine Trop., v. 35 (2), 149-156
acute amoebic necrotic colitis, case reports, possible evolution, pathology, clinical management: Brazzaville

Colitis
Nava, C.; Metlich, M. A.; and Marti, M., 1973, Medicina, Mexico (1160), an. 54, v. 53, 351-353
successful treatment of 22 persons with amoebic colitis using tinidazole, few side effects: Mexico

Colitis
Nime, F. A.; et al., 1976, Gastroenterology, v. 70 (4), 592-598
Cryptosporidium as probable cause of severe acute self-limited enterocolitis in 3-year-old child, first report of human infection, light and electron microscopic findings in rectal biopsy, source of infection not established, value of sigmoidoscopy and biopsies for determining etiology of gastrointestinal infections: Vanderbilt University Hospital, Nashville, Tennessee

Colitis
Nordlinger, B., 1975, Medecine Trop., v. 35 (2), 131-138
acute severe amoebic colitis, clinical and pathologic review, surgical aspects

Colitis
Payet, M., 1975, Medecine Trop., v. 35 (2), 105-110
human malignant amoebic colitis, clinical aspects, pathology, diagnosis, treatment with dehydroemetine or surgery

Colitis
Pignol, F.; Colonna, J.; and Gallais, H., 1975, Medecine et Malad. Infect., v. 5 (12), 579-582
human malignant amoebic colitis, diagnostic difficulties, case report, clinical aspects

Colitis
Pignol, F.; Colonna, J.; and Gallais, H., 1975, Nouv. Presse Med., v. 4 (42), 3007 [Letter]
human intestinal amoebiasis, case report of chronic malignant colitis cured by right hemicolectomy with resection of terminal ileus: France (had resided in Marocco)

Colitis
Rungs, H., 1969, Maroc Med. (521), v. 49, 113-115
human amoebic chronic colitis, malabsorption and avitaminosis, clinical review

Colitis
Sankale, M.; et al., 1975, Medecine Trop., v. 35 (2), 111-117
pathological and clinical study of human malignant amoebic colitis

Colitis
Takeuchi, A.; and Phillips, B. P., 1976, Virchows Arch., B Cell Path., v. 20 (1), 1-13
Entamoeba histolytica, guinea pigs, early stages in development of acute amebic colitis, cellular and vascular changes accompanying invasion of lamina propria (continued epithelial shedding, polymorphonuclear leukocyte degeneration, endothelial damage and occlusive thrombosis in capillaries and venules)

Collection of parasites. See Technique, Parasite collection and recovery.

Colombia
Bennett, G. F.; and Borrero H., J. I., 1976, J. Wildlife Dis., v. 12 (3), 454-458
survey of blood parasites in 142 species of birds, low prevalence of infection

Colonies, Arthropoda. See Technique, Rearing, Arthropoda.

Colorado. See United States, Colorado.

Commensalism. See Symbiosis.

Complement fixation. See Immunity, Complement.

Concurrent infections. See Mixed infections.

Congenital immunity. See Immunity, Native; Immunity, Passive.

Congenital infection. See Prenatal infection.

Conjunctivitis. See Eye.

Connecticut. See United States, Connecticut.

Control, Biological. See Biological control.

Coprology. See Technique, Fecal examination.

Copulation. See Reproduction.

Counterimmunoelectrophoresis. See Immunity, Precipitation.

Counting techniques. See Technique, Counting; Technique, Egg-Count; Technique, Statistical methods.

Cross-immunity. See Immunity, Cross-reactions.

Crowding
Andersen, K., 1973, Norwegian J. Zool., v. 21 (4), 341-350
Diphyllobothrium dendriticum plerocercoids in Mesocrisetus auratus, Larus canus, and Alopex lagopus (exper. in all), frequency of primary vs. secondary strobilae in relation to host, age of worms, and density of infection compared with D. latum in M. auratus and A. lagopus and D. ditremum in M. auratus, primary strobilae appear in some individuals in response to unfavorable conditions; regeneration and/or growth studies show that rounded posterior segment in young D. dendriticum is not necessarily posterior 'end' of plerocercoid

Crowding
Chappell, L. H.; and Pike, A. W., 1976, Internat. J. Parasitol., v. 6 (4), 333-339
Hymenolepis diminuta, density-dependent loss from rat gut, data will fit either a competitive or an immunological model

Crowding
Dendinger, J. E.; and Roberts, L. S., 1977, Comp. Biochem. and Physiol., v. 58 (2B), 215-219
Hymenolepis diminuta, activity of glycogen synthase as a function of development and with crowding

Crowding
Ferretti, G.; et al., 1972, Riv. Parassitol., Roma, v. 33 (3), 183-202
Vampirolepis nana, mathematical expression of parasite growth as function of population density: development in mice infected with 8, 24, 80, or 240 eggs; development in mice of various inbred strains; development in relation to host sex and age and duration of infection; development from different pools of eggs

Crowding
Forrester, D. J.; et al., 1974, Proc. Helminth. Soc. Washington, v. 41 (1), 55-59
Orchipedum jolliei from Grus canadensis tabida, measurements, smaller size of flukes from multiple infections indicates possible "crowding effect"

Crowding
Halvorsen, O.; and Andersen, K., 1973, Norwegian J. Zool., v. 21 (4), 326-327 [Abstract]
Diphyllobothrium dendriticum plerocercoids in golden hamsters and common gulls (both exper.), crowding and increased survival

Crowding
Henderson, D., 1977, Parasitology, v. 75 (3), 277-284
Hymenolepis diminuta, in vitro rate of absorption of glucose/unit dry weight of worm falls with increasing worm age, with increasing worm weight, and with increasing infection density

Crowding
Hopkins, C. A.; Goodall, R. I.; and Zajac, A., 1977, Parasitology, v. 74 (2), 175-183
Hymenolepis diminuta, H. microstoma, mice, effect of primary immunizing infection with one species on growth and survival of secondary infection with heterologous species; data on longevity and pattern of worm loss in primary H. microstoma infections in mice; results show that H. microstoma in low level infections is able to evade host immune response, heavier worm burden initiates worm loss which may be physiologically ('crowding effect') rather than immunologically mediated

Crowding
Kayes, S. G.; and Oaks, J. A., 1976, Am. J. Trop. Med. and Hyg., v. 25 (4), 575-580
effect of inoculum size and length of infection on distribution of Toxocara canis larvae in mouse, analysis of variance of larval recovery from various organs, crowding effect observed in heavy infections manifested as altered dispersion rates

Crowding
Lang, J. D., 1977, J. N. York Entom. Soc., v. 84 (4), 1976, 243-245
Pediculus humanus capitis, sex ratio in natural and reared populations, females not significantly reduced under crowded conditions; shorter longevity in newly emerged females isolated with males attributed to their not being fully sclerotized prior to copulating, not the result of frequent copulations by males

Crowding
Le Jambre, L. F.; and Ractliffe, L. H., 1976, Parasitology, v. 73 (2), 213-222
Haemonchus contortus cayugensis, lambs, infection with selected strain of smooth or of linguiform worms and subsequent grazing on same pasture, seasonal changes in phenotypes in relation to population density (affects frequencies of linguiform A vs. B but not of smooth vs. linguiform), "It appears therefore that the proportion of smooth to linguiform worms is a stable equilibrium maintained by natural selection."

Crowding
Mills, C. A., 1976, Parasitology, v. 73 (2), vi-vii [Abstract]
Transversotrema patialense, survival and fecundity on Brachydanio rerio (exper.), age-dependent but not density-dependent, temperature optimum at 23°C., survival reduced on small hosts, growth in size of adult fluke

Crowding
Rajasekariah, G. R.; and Howell, M. J., 1977, Internat. J. Parasitol., v. 7 (2), 119-121
Fasciola hepatica, effects of different doses of metacercariae and of host age on parasite establishment in rats, neither crowding effect nor competitive inhibition occurred, factors involved in age resistance develop at about 10 weeks of age

Cuba
Dobsinsky, O., 1974, Vet. Med., Praha, v. 47, v. 19 (5), 255-263
polyparasitism by helminths in cattle, incidence, population dynamics, seasonal distribution: Cuba
(Haemonchus; Oesophagostomum; Trichostrongylus; Strongyloides papillosus; Bunostomum; Ostertagia; Moniezia; Dictyocaulus viviparus; Neoascaris vitulorum; Trichocephalus; Cooperia; Mecistocirroza; Nematodiroza; Chabercioza; Paramfistomoza; Fascioloza)

Cultivation. See Culture.

Culture. [See also Growth]

Culture
Nemeseri, L., 1971, Parasitol. Hungar., v. 4, 87-95
advances in parasitological investigations using electron microscope, radioisotopes and new culture methods, review

Culture, Acanthocephala
Tobias, R. C.; and Schmidt, G. D., 1977, J. Parasitol., v. 63 (3), 588-589
Moniliformis moniliformis juveniles, in vitro cultivation, partial growth achieved

Culture, Arthropoda. See Technique, Rearing, Arthropoda.

Culture, Cestoda
Coltorti, E. A.; and Varela-Diaz, V. M., 1975, J. Parasitol., v. 61 (5), 974-976
Echinococcus granulosus, maintenance of hydatid cysts in vitro using synthetic media, evaluation of macroscopic appearance of these cysts following implantation into peritoneal cavity of gerbils as criterion of cyst viability, possible use in screening potential cysticidal drugs

Culture, Cestoda
Esch, G. W.; and Smyth, J. D., 1976, Internat. J. Parasitol., v. 6 (2), 143-149
Taenia crassiceps, in vitro growth and development to strobilar stage, comparison with in vitro culture of Echinococcus granulosus

Culture, Cestoda
Ferretti, G.; and Gabriele, F., 1973, Riv. Parassitol., Roma, v. 34 (3), 235-237
Vampirolepis nana, culture apparatus

Culture, Cestoda
Fioravanti, C. F.; and MacInnis, A. J., 1976, J. Parasitol., v. 62 (5), 741-748
Hymenolepis diminuta, in vitro maintenance system (modification of Schiller system), morphological and metabolic criteria as indices of worm's condition in presence and absence of various additives

Culture, Cestoda
Heath, D. D., 1976, Internat. J. Parasitol., v. 6 (1), 19-24
Taenia pisiformis larvae developing in vitro, period when protective antigens are elaborated, immunizing potential of nonliving antigens from in vitro culture for rabbits, exogenous antigens more protective than somatic, biochemical analysis of exogenous antigens

Culture, Cestoda
Heath, D. D.; and Lawrence, S. B., 1976, Parasitology, v. 73 (3), 417-423
Echinococcus granulosus, culture in vitro from oncosphere to immature hydatid cyst, cyst morphogenesis; safety techniques to avoid accidental infection of laboratory workers

Culture, Cestoda
Heath, D. D.; and Osborn, P. J., 1976, Internat. J. Parasitol., v. 6 (6), 467-471
Echinococcus granulosus, laminated membrane of parasite not host origin, formation in defined medium, culture of protoscoleces may reduce contaminating host antigens and thus be of value in reducing non-specific reactions during immunodiagnosis

Culture, Cestoda
Khan, Z. I.; and De Rycke, P. H., 1975, Biol. Jaarb., Gent, v. 43, 151-172
Hymenolepis microstoma, in vitro cultivation, artificially excysted cysticercoids to egg producing adults, role of serum for strobilization and gametogenesis (results suggest success depends upon presence of certain heme compounds in the serum)

Culture, Cestoda
Khan, Z. I.; and De Rycke, P. H., 1976, Ztschr. Parasitenk., v. 50 (1), 73-79
Hymenolepis microstoma, in vitro culture, added yeast extract increased sexual maturity, possible role of pyridoxin

Culture, Cestoda
Paterson, H., 1977, Parasitology, v. 75 (2), xx [Abstract]
Moniezia expansa, M. benedeni, attempts to obtain hatched and sterile oncospheres for culture, hatching differences between species, large numbers of bacteria identified in eggs, elimination with chlorhexidine derivative for sterile oncospheres

Culture, Cestoda
Rickard, M. D.; and Katiyar, J. C., 1976, Parasitology, v. 72 (3), 269-279
Taenia pisiformis, partial purification of antigens collected during in vitro cultivation, differential performance in intradermal skin test and rabbit immunization tests suggests that protective antigens and those provoking cell-mediated reactions may be different ones

Culture, Cestoda
Seidel, J. S., 1975, J. Parasitol., v. 61 (4), 677-681
Hymenolepis microstoma, axenic development in vitro from oncosphere to gravid adult, retarded growth and abnormal development in cultures containing reducing agents

Culture, Cestoda
Seidel, J. S.; and Voge, M., 1975, J. Parasitol., v. 61 (5), 861-864
Hymenolepis nana, axenic development from oncosphere to infective cysticercoid, gas phase of 95 N_2-5CO_2 essential

Culture, Cestoda
Sinha, D. P., 1976, Indian J. Exper. Biol., v. 14 (1), 46-50
Hymenolepis nana, in vitro culture, yeast extract in media, extreme variation in properties of batches from various sources or from same source, necessity for careful examination of yeast for reproducible results

Culture, Cestoda
Smyth, J. D., 1976, Norwegian J. Zool., v. 24 (4), 469 [Abstract]
Echinococcus granulosus, E. multilocularis, strobilar differentiation by culturing in vitro, anomalous differentiation

Culture, Cestoda
Smyth, J. D., 1977, Trop. and Geogr. Med., v. 29 (3), 314 [Abstract]
Echinococcus granulosus, E. multilocularis, variations in growth of protoscoleces in in vitro cultures

Culture, Cestoda
Todoroff, T.; and Yurukova, D., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (3), 329-335
Echinococcus granulosus, activity of sodium chloride and formalin against hydatid scolices determined by motility, staining properties, and cultivation in vitro; method of cultivating in vitro is rapid and has certain advantages over mouse inoculation in assessing viability

Culture, Cestoda
Voge, M., 1975, J. Parasitol., v. 61 (3), 563-564
Hymenolepis diminuta, axenic development of cysticercoids from oncospheres hatched in vitro to fully developed larvae infective to rats, motility of developmental stages and of fully developed cysticercoids

Culture, Cestoda
Voge, M.; et al., 1976, J. Parasitol., v. 62 (6), 951-954
Hymenolepis diminuta, growth of cysticercoids in vitro, development in presence of L-cysteine twice as rapid under 100% nitrogen as under air, no growth obtained with several other reducing agents, limited growth with ascorbic acid and dithiothreitol, homocysteine or coenzyme A as effective as L-cysteine in stimulating complete development

Culture, Nematoda
Burden, D. J.; and Hammet, N. C., 1976, Vet. Parasitol., v. 2 (3), 307-311
Trichuris suis, comparison of infectivity of ova embryonated by 4 different methods, found that differences in method of culture profoundly affected ability of fully developed eggs to hatch and parasites to become established in pigs, ova of highest infectivity produced after culture in moist vermiculite

Culture, Nematoda
Dick, J. W.; Leland, S. E., jr.; and Hansen, M. F., 1973, Tr. Am. Micr. Soc., v. 92 (2), 225-230
Ascaridia galli, 4 hatching techniques for embryonated eggs compared, subsequent cultivation in medium Ae and supplemented medium Ac

Culture, Nematoda
Douvres, F. W.; and Malakatis, G. M., 1977, J. Parasitol., v. 63 (3), 520-529
Ostertagia ostertagi, in vitro cultivation, development from infective larvae to egg-laying adults, 70-minute exsheathing process and two-step roller culture system

Culture, Nematoda
Guerrero, J.; and Mercadante, M. L. P., 1976, Rev. Fac. Med. Vet. e Zootec. Univ. S. Paulo, v. 13 (2), 391-400
Ascaris suum larvae, simplification of culture medium used for in vitro cultivation, results indicate that hemin plus any other protein supplement (replacing fetal calf serum) considerably increase larval development and survival

Culture, Nematoda
Guerrero, J.; and Silverman, P. H., 1972, Rev. Invest. Pecuarias, v. 1 (2), 209-213
Ascaris suum, larval culture method, metabolic antigens immunizing mice

Culture, Nematoda
Guerrero, J.; and Silverman, P. H., 1972, Rev. Invest. Pecuarias, v. 1 (2), 215-222
Ascaris suum larval culture, various media with gases; Eagles medium in air plus CO_2, best immunization of mice with metabolic antigens

Culture, Nematoda
Hermoso, R.; Sanchez, M.; and Monteoliva, M., 1975, Rev. Iber. Parasitol., v. 35 (3-4), 355-360
Ascaris lumbricoides, culture in media with added glucose or hemoglobin, soluble protein and hemoglobin content of certain tissues, values for body wall most accurately reflect physiological state of parasite; Tyrode solution with 1.0 g glucose and 0.3 g pig hemoglobin per liter best medium for culture

Culture, Nematoda
Hsieh, H. C., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 568 [Demonstration]
Ancylostoma duodenale, Necator americanus and Strongyloides stercoralis-related spp., differentiation of species using a modified test-tube filter-paper culture

Culture, Nematoda
Illgen, B.; Wenk, P.; and Seitz, H. M., 1976, Ztschr. Parasitenk., v. 50 (2), 178-179
Litomosoides carinii female in vitro, embryonic development and liberation of microfilariae

Culture, Nematoda
Itagaki, H.; et al., 1975, Bull. Azabu Vet. Coll. (30), 57-62
Capillaria perforans eggs, development, optimum conditions for culture

Culture, Nematoda
Iwamoto, I., 1972, Nettai Igaku (Trop. Med.), v. 14 (3), 124-137
Dirofilaria immitis, Wuchereria bancrofti, in vitro survival in various media, effects of temperature; D. immitis survival in dogs (exper.), periodicity, migration and localization

Culture, Nematoda
Kadyrov, N. T., 1973, Vestnik Sel'skokhoz. Nauki Kazakhstana (11), 68-70
[Delafondia] invasive larvae cultured from uterine eggs, experimental infection of colts

Culture, Nematoda
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extensive review of techniques used to diagnose human parasitic diseases

Culture, Nematoda
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Ascaris, motility studies in vitro, motility longer with glucose than when fasting; longer at 25° C than at 37° C; younger worms more active than mature ones

Culture, Nematoda
Rose, J. H., 1973, Research Vet. Sc., v. 14 (3), 326-333
Ostertagia circumcincta, O. ostertagi, Hyostrongylus rubidus, culture from infective larva to adult worm in WAe medium, other species of gastrointestinal nematodes underwent limited development in this medium or a modification thereof

Culture, Nematoda
de Savigny, D. H., 1975, J. Parasitol., v. 61 (4), 781-782
Toxocara canis, larvae, in vitro maintenance, simple method of production of excretory-secretory antigen for use in serodiagnostic tests for visceral larva migrans

Culture, Nematoda
Sommerville, R. I., 1976, J. Parasitol., v. 62 (2), 242-246
Haemonchus contortus, development and ecdysis in vitro, effects of changes in both ionic composition and osmotic pressure, potassium as necessary component of salt solution

Culture, Nematoda
Sommerville, R. I., 1977, J. Parasitol., v. 63 (2), 344-347
Haemonchus contortus, development in vitro, effect of rumen fluid and of a succession of media which incorporated changes in pH, pCO_2, and pO_2 likely to be encountered in transition from rumen to abomasum

Culture, Nematoda
Sommerville, R. I.; and Davey, K. G., 1976, Internat. J. Parasitol., v. 6 (5), 433-439
Anisakis sp. larva, cuticle formation and ecdysis in vitro, development restarted by physico-chemical stimuli (effect of different media, carbon dioxide, storage, temperature), feeding does not occur until after moulting

Culture, Nematoda
Stromberg, B. E.; Khoury, P. B.; and Soulsby, E. J. L., 1977, Internat. J. Parasitol., v. 7 (2), 149-151
Ascaris suum, culture from third to fourth stage in chemically defined medium

Culture, Nematoda
Weik, R. R.; and John, D. T., 1977, J. Parasitol., v. 63 (5), 868-871
Naegleria fowleri, agitated axenic mass cultivation, growth kinetics, medium changes during growth, data suggest predominantly aerobic metabolism and utilization of non-carbohydrate sources as carbon and energy sources

Culture, Nematoda
Winward, L. D., 1976, Exper. Parasitol., v. 40 (1), 74-76
Syngamus trachea, larvae injected into embryonic chicken eggs survived entire period of time necessary for embryos to develop and hatch, some migrated to trachea and completed life cycle in chickens hatched from these eggs

Culture, Protozoa
Akinshina, G. T.; and Zalkind, S. Ia., 1975, Biul. Eksper. Biol. i Med., v. 80 (10), 122-125
Toxoplasma gondii-infected pig embryonic kidney cells, host cell response to infection (morphological changes, absence of severe or advanced cytotoxic effect, preservation of high mitotic activity); persistence of infection

Culture, Protozoa
Alexander, J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 273 [Demonstration]
Leishmania mexicana, amastigotes in cultured mouse macrophages

Culture, Protozoa
Al-Khateeb, G. H.; Al-Jeboori, T. I.; and Al-Janabi, K. A., 1977, Chemotherapy, v. 23 (4), 267-275
Leishmania donovani in vitro, action of sodium stibogluconate, metronidazole and dehydroemetine on mobility, morphology and survival of promastigotes

Culture, Protozoa
Ambrosioni, P.; and Bernagozzi, M., 1972, Parassitologia, v. 14 (1), 45-51
Hartmannella castellanii, solid medium for axenic culture

Culture, Protozoa
Angluster, J.; Bunn, M. M.; and de Souza, W., 1977, J. Parasitol., v. 63 (5), 922-924
Herpetomonas samuelpessoai grown in defined medium, differentiation, influence of 2-deoxy-D-glucose, temperature, and time of cultivation

Culture, Protozoa
Ardehali, S., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 266-267 [Demonstration]
Leishmania enriettii, L. tropica major, culture forms, possible species differentiation by enumeration of free moving promastigotes growing in presence of rabbit antisera, trials with homologous and heterologous antisera

Culture, Protozoa
de Azevedo, H. P.; and Roitman, I., 1977, J. Parasitol., v. 63 (3), 485
Trypanosoma cruzi Y strain, successful continuous culture in HX25 modified defined medium

Culture, Protozoa
Baker, J. R.; and Green, S. M., 1977, Ann. Trop. Med. and Parasitol., v. 71 (2), 141-145
Trypanosoma dionisii, presence of trypanosomal antigen on surfaces of mouse peritoneal macrophages cultivated in vitro in presence of parasite

Culture, Protozoa
Ball, G. H.; and Chao, J., 1976, Exper. Parasitol., v. 39 (1), 115-118
Plasmodium relictum, utilization of amino acids by developing oocysts in presence of metabolizing insect cells

Culture, Protozoa
Barry, D., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 273 [Demonstration]
Trypanosoma b. brucei, surface antigenic changes during transformation in culture, progressive loss of surface coat and progressive acquisition of antigenically universal culture form surface

Culture, Protozoa
Barry, J. D.; and Vickerman, K., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 271-272 [Abstract]
Trypanosoma brucei in vitro, changes in surface antigens of clone populations during transformation from bloodstream to procyclic stage

Culture, Protozoa
Bedrnik, P., 1975, J. Protozool., v. 22 (3), 58A [Abstract]
Eimeria tenella, successful propagation in tissue cultures derived from immune chickens suggests predominant role of circulating antibodies in immunity against coccidia

Culture, Protozoa
Berens, R. L.; Brun, R.; and Krassner, S. M., 1976, J. Parasitol., v. 62 (3), 360-365
Leishmania donovani, simple monophasic medium for axenic culture which favors amastigote to promastigote transformation, promastigote size distribution and glucose consumption during cell cycle; medium also supports high population growth of L. tarentolae promastigotes and Trypanosoma cruzi (Costa Rica but not Corpus Christi strain) epimastigotes

Culture, Protozoa
de Biasi, P.; et al., 1975, J. Protozool., v. 22 (3), 35A [Abstract]
Trypanosoma salamantae, T. phylodriasi, development in vitro, attempted exper. infection of laboratory bred juvenile snakes (only T. phylodriasi in Bothrops alternatus was successful), attempted exper. infection of mosquitoes negative except one Culex dolosus that showed flagellated developmental forms

Culture, Protozoa
Bos, H. J., 1975, Ztschr. Parasitenk., v. 47 (2), 119-129
Entamoeba histolytica, human, strains isolated from all 5 symptomatic cases but only 3 out of 10 asymptomatic carrier cases, axenic culture following monoxenic culture with Crithidia, media used; discussion of possible relationship between virulence of strain and ease of culture

Culture, Protozoa
Bos, H. J.; and van de Griend, R. J., 1977, Nature, London (5592), v. 265, 341-343
Entamoeba histolytica, lowered pathogenicity after axenic culture, restoration of virulence with cholesterol and establishment of higher degree of virulence by two successive passages through hamster liver, after hamster passage differences were observed in agglutinability induced by concanavalin A, in vitro toxicity towards guinea pig leukocytes, and antigenic analysis

Culture, Protozoa
Bos, H. J.; and Hage, A. J., 1975, Ztschr. Parasitenk., v. 47 (2), 79-89
Entamoeba histolytica, virulent and carrier strains from humans, cultured axenically or with bacteria or Crithidia or passaged through hamster liver, varying virulence in experimental hamster liver infections

Culture, Protozoa
Broccali, G.; and de Carneri, I., 1972, Parassitologia, v. 14 (1), 65-66
Trichomonas vaginalis, culture technique for maintenance and slow growth; possible system for drug testing

Culture, Protozoa
Brown, C. G. D.; et al., 1973, Nature (5420), v. 245, 101-103
Theileria parva, infection and transformation of bovine lymphoid cells in vitro using both in vitro tick feed material and ground tick supernatant (Rhipicephalus appendiculatus)

Culture, Protozoa
Browning, R. F.; Patton, W. H.; and Lytle, C. F., 1976, Exper. Parasitol., v. 39 (2), 195-203
Eimeria tenella-infected kidney cell cultures, increased incorporation of tritium-labeled thymidine in both parasitized and unparasitized cells, apparent parasite-induced stimulation of DNA synthesis

Culture, Protozoa
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Toxoplasma gondii, mice, transmission studies in Diptera cell lines, survival without multiplication, brief review

Culture, Protozoa
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Plasmodium falciparum, present status of culture methods needed to produce a human malaria vaccine, symposium presentation

Culture, Protozoa
Carter, R.; and Beach, R. F., 1977, Nature, London (5634), v. 270, 240-241
Plasmodium falciparum, gametocytes and gametogenesis in culture

Culture, Protozoa
Cerva, L., 1975, J. Protozool., v. 22 (3), 60A [Abstract]
Naegleria fowleri, N. gruberi, axenic growth in liquid media in relation to temperature of incubation, concentration of culture medium, and size of inoculum, results show N. fowleri may produce dense populations under conditions which could occur in water which may become dangerous source of infection for human primary amebic meningoencephalitis

Culture, Protozoa
Cerva, L., 1977, J. Protozool., v. 24 (4), 50A [Abstract]
Naegleria fowleri and N. gruberi, growth characteristics in axenic culture compared

Culture, Protozoa
Chang, K.-P., 1976, J. Protozool., v. 23 (2), 241-244
Blastocrithidia culicis, Crithidia oncopelti, symbiote-free strains: liver extract as essential growth factor in defined medium; cross-reactivity in reciprocal agglutination test with symbiote-containing strains indicates loss of symbiotes does not affect antigenic identity

Culture, Protozoa
Chang, K. P.; and Dwyer, D. M., 1976, Science (4254), v. 193, 678-680
Leishmania donovani grown in hamster peritoneal macrophages in vitro, multiplication within host cell phagolysosomes, survival mechanism of this intracellular parasite apparently based upon resistance to macrophage lysosomal enzymic digestion

Culture, Protozoa
Cheah, W. C.; and Kyser, K. A., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (2), 179-183
Trichomonas vaginalis, technique for isolation of bacteria-free strains directly from vaginal aspirates using sucrose gradients and screw-capped culture tubes

Culture, Protozoa
Chiodini, P. L., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 27-28 [Demonstration]
Babesia canis, in vitro culture; B. rodhaini and B. divergens in leucocyte-free dilution cultures, effect of imidocarb on leucine and adenosine incorporation, possible use of system for in vitro screening of potential babesicides and also for mode of action studies

Culture, Protozoa
Chiodini, P. L., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 437 [Demonstration]
description of apparatus for microscopic observation of protozoan cultures

Culture, Protozoa
Cohen, B. A. J.; Looij, B. J.; and Wittner, M., 1977, Trop. and Geogr. Med., v. 29 (3), 316 [Abstract]
Trypanosoma cruzi, growth promoting constituents in in vitro cultivation

Culture, Protozoa
Coombs, G. H.; and Gutteridge, W. E., 1975, J. Protozool., v. 22 (4), 555-560
Plasmodium vinckei chabaudi rat-adapted strain, in vitro system (based on rocker dilution technic) that supports intraerythrocytic growth from ring to schizont stages, some reinvasion obtained but associated with decrease in parasite numbers, lactate production, glucose utilization, ^{3}H-leucine and ^{3}H-adenosine incorporation

Culture, Protozoa
Cowper, S. G., 1974, Ann. Trop. Med. and Parasitol., v. 68 (4), 415-425
continuous flow apparatus for in vitro maintenance: Schistosoma mansoni, S. haematobium, survival time, carbohydrate metabolism; Plasmodium knowlesi, morphology and carbohydrate metabolism; preliminary attempts to cultivate Trypanosoma vivax and Babesia canis

Culture, Protozoa
Cox, D.; and Miglietta, L., 1975, J. Protozool., v. 22 (3), 34A-35A [Abstract]
Tetrahymena killer parasite of mosquito colonies isolated from outbreaks in Louisiana, laboratory maintenance in vitro

Culture, Protozoa
Cross, G. A. M., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 255-256 [Abstract]
Trypanosoma brucei, T. rhodesiense, development of defined media for growth

Culture, Protozoa
Cross, G. A. M.; and Klein, R. A., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 266-267 [Abstract]
Trypanosoma brucei, utilization of amino acids and glucose during growth in culture, effects on respiration

Culture, Protozoa
Cross, G. A. M.; Klein, R. A.; and Baker, J. R., 1975, Ann. Trop. Med. and Parasitol., v. 69 (4), 513-514
Trypanosoma cruzi, cultivation in defined medium HX25 or HX25M, amino acid utilization, growth inhibition by tetraethylthiuram disulphide

Culture, Protozoa
Cunningham, I., 1977, J. Protozool., v. 24 (2), 325-329
new culture medium for maintenance of Glossina morsitans morsitans tissues and growth of trypanosomatids, medium based on amino-acid composition of tsetse hemolymph and contains fetal bovine serum

Culture, Protozoa
Cunningham, I.; and Honigberg, B. M., 1977, Science (4310), v. 197, 1279-1282
Trypanosoma brucei brucei, reacquisition of infectivity for mice in cultures grown in presence of tsetse fly salivary gland explants in medium based on amino acid composition of Glossina hemolymph and containing fetal bovine serum

Culture, Protozoa
Danskin, D.; and Wilde, J. K. H., 1976, Nature, London (5558), v. 261, 311-312
Theileria parva, development to ultimate intraerythrocytic stage in vitro

Culture, Protozoa
Danskin, D.; and Wilde, J. K. H., 1976, Trop. Animal Health and Prod., v. 8 (3), 175-185
cultivation of Theileria parva-infected lymphoid cells, addition of calf lymph and bovine red blood cells caused stimulation of lymphoid cells and parasites, formation of developmental stages

Culture, Protozoa
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axenically grown Entamoeba histolytica, restoration of virulence to rats by exposure to cholesterol and by hamster liver passage

Culture, Protozoa
Dedet, J. P.; and Gaudin, O. G., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 535-536 [Letter]
Leishmania donovani, growth on continuous cell line of Aedes albopictus with progression from promastigote to amastigote at 24 C

Culture, Protozoa
De Jonckheere, J., 1977, Applied and Environment. Microbiol., v. 33 (4), 751-757
Naegleria fowleri, use of an axenic medium for differentiation between pathogenic and nonpathogenic isolates, data obtained on 102 Naegleria strains during extensive ecological study gave further evidence that thermal polluted waters are the main origin of N. fowleri in the environment

Culture, Protozoa
Doby, J. M.; and Barker, R., 1976, Compt. Rend. Soc. Biol., Paris, v. 170 (3), 661-665
Plasmodium vivax, human liver cell cultures inoculated with North Korean strain, description of some rare intracytoplasmic forms, probably connected with pre-erythrocytic cycle

Culture, Protozoa
Doran, D. J., 1974, Proc. Helminth. Soc. Washington, v. 41 (2), 169-173
Eimeria tenella, production of first- and second-generation merozoites in primary cultures of chicken kidney cells, attempts to obtain development in cell culture using merozoites of the first and second generations

Culture, Protozoa
Doran, D. J.; and Augustine, P. C., 1973, J. Protozool., v. 20 (5), 658-661
Eimeria tenella, comparative development from sporozoites to oocysts in primary kidney cell cultures from chickens vs. guinea fowl, partridges, pheasants, quail, and turkeys

Culture, Protozoa
Doran, D. J.; and Augustine, P. C., 1976, Proc. Helminth. Soc. Washington, v. 43 (2), 126-128
Eimeria tenella, comparative oocyst production, primary cultures of chicken kidney cells, 15 media systems

Culture, Protozoa
Doran, D. J.; and Augustine, P. C., 1977, J. Protozool., v. 24 (1), 172-176
Eimeria dispersa and E. gallopavonis in primary chicken and turkey kidney cell cultures, infectivity, survival, development

Culture, Protozoa
Dutta, G. P., 1976, Indian J. Med. Research, v. 64 (4), 573-578
technique for cultivation of axenic Entamoeba histolytica from small inocula

Culture, Protozoa
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interrelationship of pH and oxidation-reduction potential on growth of axenic Entamoeba histolytica and the influence of pH on amoebicidal activity of drugs

Culture, Protozoa
Dvorak, J. A.; and Howe, C. L., 1976, J. Protozool., v. 23 (4), 534-537
Trypanosoma cruzi trypomastigotes, video technic that permits quantification of degree of attraction to vertebrate cells in vitro, comparative studies of attraction of myotropic parasite strain to vertebrate cells from diverse sources

Culture, Protozoa
Dvorak, J. A.; and Howe, C. L., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 58-63
Trypanosoma cruzi, effects of lampit on parasite penetration of vertebrate cells and intracellular parasite reproduction time, lampit resistant T. cruzi strain easily produced in vitro

Culture, Protozoa
Dvorak, J. A.; and Howe, C. L., 1977, J. Protozool., v. 24 (3), 416-419
Toxoplasma gondii in controlled-environment culture system, effect of various factors on penetration of host cells by parasites (bicarbonate ion, CO_2, pH, and host cell culture age)

Culture, Protozoa
Eaton, R. D. P., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (6), 554 [Letter]
Entamoeba histolytica, pH range for maximum growth of parasites in culture

Culture, Protozoa
Ellis, D. S.; and Evans, D. A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 385 [Demonstration]
Trypanosoma brucei rhodesiense (Botswana strain 180), electron micrographs of "cyst-like bodies" found when grown in cultures, possible reproductive function

Culture, Protozoa
El-On, J.; and Greenblatt, C. L., 1973, J. Protozool., v. 20 (4), 531
Trypanosoma lewisi, T. acomys, growth in vitro at 37°C. in culture media with mammalian cells, rats partially protected against T. lewisi after receiving 6 injections of concentrated culture supernatant fluid

Culture, Protozoa
El-On, J.; and Greenblatt, C. L., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 19-20 [Demonstration]
Trypanosoma lewisi, production of exoantigens during cultivation at 37°C, partial protection against infection in rats injected with concentrated culture supernatant fluid

Culture, Protozoa
El-On, J.; and Greenblatt, C. L., 1977, Exper. Parasitol., v. 41 (1), 31-42
Trypanosoma lewisi, T. acomys, T. cruzi, method for cultivation with mammalian tissue, results not good with T. equiperdum and T. congolense

Culture, Protozoa
Enriquez, G. L.; Ebert, F.; and Muehlpfordt, H., 1977, Tropenmed. u. Parasitol., v. 28 (3), 323-332
Leishmania donovani promastigotes, ultrastructural localization of activities of 2 enzyme systems in culture forms by means of diaminobenzidine techniques

Culture, Protozoa
Fayer, R., 1972, Science (4017), v. 175, 65-67
Sarcocystis sp., development of gametocytes, gametes, and cyst-like bodies in cell culture

Culture, Protozoa
Fine, P. E. M., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 2-3 [Demonstration]
Parahistomonas wenrichi, in vitro maintenance at -79C

Culture, Protozoa
Fortess, E.; and Meyer, E. A., 1976, J. Parasitol., v. 62 (5), 689
Giardia trophozoites, isolation from guinea pig, axenization, long-term culture, low temperature preservation

Culture, Protozoa
Fuson, E. W.; Jones, A. W.; and Murray, F. A., 1976, Exper. Parasitol., v. 40 (2), 225-231
Trypanosoma lewisi, in vitro maintenance of blood stream form, cultured trypanosomes are susceptible to both trypanocidal antibodies and show longer period of susceptibility to ablastin than previously reported

Culture, Protozoa
Gam, A. A.; and Neva, F. A., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 47-57
Trypanosoma cruzi, serodiagnosis using various epimastigote antigens and comparison with results obtained with trypomastigote-amastigote antigen prepared from cell cultures, differences between antigens demonstrated by immunoprecipitation

Culture, Protozoa
Giannini, M. S., 1974, J. Protozool., v. 21 (3), 421-422 [Abstract]
Leishmania donovani, relationship of promastigotes' infectivity for hamsters with frequency of subculture

Culture, Protozoa
Giannini, M. S., 1974, J. Protozool., v. 21 (4), 521-527
Leishmania donovani, promastigote-initiated infection in Mesocricetus auratus, infectivity in relation to host age at time of inoculation, growth phase of promastigotes at harvest, and frequency of subculture

Culture, Protozoa
Gillig, C. J. III, 1977, J. Protozool., v. 24 (3), 406-411
Leishmania donovani, adaptation to in vitro cultivation at 37 C

Culture, Protozoa
Gillig, C. J.; and Honigberg, B. M., 1973, J. Protozool., v. 20 (4), 504
Leishmania donovani, promastigotes, adaptation to cultivation at 37 C., genetic selection rather than dauermodification appears to be responsible for thermal adaptation

Culture, Protozoa
Goldberg, B.; et al., 1974, J. Protozool., v. 21 (3), 430 [Abstract]
Leptomonas, need for minimal defined medium for drug studies

Culture, Protozoa
Green. S. M., 1974. Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 269 [Demonstration]
aseptic production of cloned cultures of trypanosomes in vitro

Culture, Protozoa
Griffin, J. L., 1973, J. Protozool., v. 20 (4), 497-498
Naegleria fowleri, environmental sampling, differential culture and preliminary identification

Culture, Protozoa
Gun, F.; and Greenblatt, C. L., 1973, J. Protozool., v. 20 (4), 532
Plasmodium berghei, P. gallinaceum, cultivation in cell hybrids formed by fusing infected red blood cells with HeLa cells, chick fibroblasts, baby hamster kidney cells and macrophages

Culture, Protozoa
Gut, J.; Jurkovic, P.; and Bedrnik, P., 1977, J. Protozool., v. 24 (2), Suppl., 14A [Abstract]
Eimeria labbeana, in vitro cultivation

Culture, Protozoa
Handman, E.; Spira, D. T.; and Zuckerman, A., 1977, J. Protozool., v. 24 (2), Suppl., 21A [Abstract]
Leishmania tropica amastigotes, growth in macrophages from normal and immune mice

Culture, Protozoa
Hanson, W. L.; et al., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 117-131
Trypanosoma cruzi, detection of small numbers of viable or virulent parasites in blood and other fluids by Vero cell culture procedure or by mouse inoculation, immunization of mice with irradiated trypomastigotes and amastigotes, serology as determined by indirect fluorescent antibody and agglutination tests

Culture, Protozoa
Hawking, F., 1971, Tr. Roy. Soc. Trop. Med. and Hyg., v. 65 (5), 672-675
Trypanosoma brucei, attempted culture at human blood temperature (37 C) in presence of tissue cultures, survival and multiplication for 24 hours with diminishing numbers up to 10 days

Culture, Protozoa
Haynes, J. D.; et al., 1976, Nature, London (5580), v. 263, 767-769
Plasmodium falciparum, new culture method involving inoculum of cryopreserved parasites and making possible analysis of merozoite-erythrocytes interactions, growth for more than 3 weeks in vitro, and the collection of merozoites

Culture, Protozoa
Hendricks, L. D.; and Fayer, R., 1973, J. Protozool., v. 20 (5), 550-554
Hepatozoon griseisciuri, development in cultured squirrel cells

Culture, Protozoa
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Anaplasma marginale, in vitro culture, review of recent research including personal communications of negative results

Culture, Protozoa
Hidalgo, R. J., 1975, Am. J. Vet. Research, v. 36 (5), 635-640
Anaplasma marginale, propagation in bovine lymph node cell culture, direct fluorescent antibody technique used for detection of organism in culture and combined with standard microscopic count procedure to obtain numerical estimates of organism as criteria of growth, effect of oxytetracycline HCl

Culture, Protozoa
Higby, G. C.; Canning, E. U.; and Pilley, B. M., 1977, J. Protozool., v. 24 (4), 43A [Abstract]
Nosema eurytremae, cultivation through complete life cycle in vertebrate and invertebrate cell lines

Culture, Protozoa
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Histomonas meleagridis, in vitro culture, millipore-sterilized DeVolt's medium supports better growth than does autoclaved DeVolt's medium

Culture, Protozoa
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Trypanosoma brucei, long-term propagation of animal-infective bloodstream forms in vitro, organisms retained morphological and biochemical characteristics and displayed variant-antigen on their surfaces

Culture, Protozoa
Hoff, R. L.; et al., 1977, J. Parasitol., v. 63 (6), 1121-1124
Toxoplasma gondii, forms developed in culture characterized by their oral infectivity for cats and mice and by resulting prepatent periods in cats, investigation of role of antibody in formation of bradyzoites

Culture, Protozoa
Holbrook, T. W.; and Stauber, L. A., 1973, J. Protozool., v. 20 (3), 431-436
Leishmania donovani in chick embryos, effect of number of injected amastigotes on course of infection, differential behavior of several geographic strains, failure of promastigote-induced infection, infectivity of embryo-derived parasites for hamsters

Culture, Protozoa
Hollander, D. H., 1976, J. Parasitol., v. 62 (5), 826-828
Trichomonas vaginalis, agar plating method, variations in colonial morphology

Culture, Protozoa
Homewood, C. A.; and Atkinson, E. M., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 26-27 [Demonstration]
P[lasmodium] berghei: carbohydrate metabolism; dependence of chloroquine-induced pigment clumping on composition of culture medium

Culture, Protozoa
Hommel, M., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 3 [Demonstration]
Trypanosoma evotomys kudickei, developmental behavior of trypanosomes in culture

Culture, Protozoa
Hommel, M.; and Miltgen, F., 1973, J. Protozool., v. 20 (4), 527
Trypanosoma blanchardi, T. rabinowitschae, adaptation to mice by passage through cultures and then sarcomatous mice, strong cross immunity between T. musculi and mouse-adapted strains; adaptation of T. lewisi to mice using same method was not possible; this new culture system was used to cultivate T. brucei

Culture, Protozoa
Hsu, K. Y., 1971, Nettai Igaku (Trop. Med.), v. 13 (2), 73-85
Toxoplasma gondii cultures using HeLa cells as host cell line, development in the presence of enzymes, on pretreatment with sulfisoxazole or sulfathiazole, or on addition of infected human serum to culture

Culture, Protozoa
Irvin, A. D., 1976, Vet. Rec., v. 98 (18), 351-356
fusion of Theileria parva-infected bovine lymphoid cells and hamster cells, detection of bovine/hamster heterokaryons by presence of H thymidine labelled nuclei and unlabelled nuclei in the same cell, autoradiography, possible use as laboratory model for East Coast fever, review

Culture, Protozoa
Irvin, A. D.; et al., 1975, Research Vet. Sc., v. 19 (2), 142-151
Theileria parva-infected hybrid cells formed by fusion of hamster or mouse cells with parasitized bovine lymphoid cells using inactivated Sendai virus

Culture, Protozoa
Irvin, A. D.; Stagg, D. A.; and Kanhai, G. K., 1976, Research Vet. Sc., v. 21 (2), 197-204
fusion of Theileria parva-infected bovine lymphoid cells with Ehrlich ascites tumor cells, attempts to increase fusion percentage and harvest of heterokaryons

Culture, Protozoa
Irvin, A. D.; and Young, E. R., 1977, Nature, London (5627), v. 269, 407-409
Babesia spp., in vitro test for screening drug activity which exploits finding that Babesia parasites readily incorporate hypoxanthine in an in vitro culture system, may also be used to detect drug resistance patterns and have possible application in primary screening of antimalarial drugs

Culture, Protozoa
Isoun, M. J., 1975, J. Protozool., v. 22 (3), 39A [Abstract]
Trypanosoma vivax, in vitro cultivation allowing survival through 3-4 cell cycles

Culture, Protozoa
Isoun, M. J.; and Isoun, T. T., 1974, Tropenmed. u. Parasitol., v. 25 (3), 283-287
Trypanosoma vivax, T. brucei, in vitro cultivation, improved survival and multiplication in MEM 199 medium buffered by HEPES in comparison to bicarbonate, importance of strict control of pH

Culture, Protozoa
Ivey, M. H., 1975, J. Parasitol., v. 61 (3), 550-552
Trichomonas vaginalis, virulence assays of recent isolates at 3 weeks after isolation and again at 3 and 10 months after continuous cultivation or storage in liquid nitrogen, significant loss of virulence after prolonged in vitro culture, original virulence preserved for long periods by storage in liquid nitrogen

Culture, Protozoa
Ivey, M. H., 1975, J. Parasitol., v. 61 (6), 1101-1103
Trichomonas vaginalis, use of solid medium techniques to determine quantitatively the effects of freezing procedure variations on cell viability

Culture, Protozoa
Jadin, J. M.; et al., 1977, J. Protozool., v. 24 (4), 61A [Abstract]
Kinetoplastidae, culture in mouse peritoneal macrophages

Culture, Protozoa
Janovy, J., jr.; et al., 1973, J. Protozool., v. 20 (4), 502
Herpetomonas megaseliae, differentiation in culture, morphological and physiological changes

Culture, Protozoa
Jarra, W.; et al., 1977, J. Protozool., v. 24 (4), 40A [Abstract]
Plasmodium berghei, in vitro maintenance, multiplication and incorporation of radiolabelled hypoxanthine and isoleucine, possible application to malaria immunology

Culture, Protozoa
Jensen, J. B.; and Trager, W., 1977, J. Parasitol., v. 63 (5), 883-886
Plasmodium falciparum, continuous culture, simplified technique using plastic petri dishes in a candle jar, application in demonstrating feasibility of using outdated erythrocytes and for testing certain other modifications of the culture conditions

Culture, Protozoa
Jolley, W. R.; and Nyberg, P. A., 1974, Proc. Helminth. Soc. Washington, v. 41 (2), 259-260
Eimeria tenella, E. stiedai, in vitro excystation, formation of carbon dioxide-cysteine complex in incubation fluid

Culture, Protozoa
Joyner, L. P., 1971, Symposia Brit. Soc. Parasitol., v. 9, 1-37
laboratory maintenance of tick-borne Babesia and Theileria, extensive review: collection of field material and infection of laboratory animals; management and preparation of experimental animals; cyclical maintenance; mechanical transmission; tissue culture; low-temperature preservation

Culture, Protozoa
Kagan, I. G.; and Norman, L., 1977, Health Lab. Sc., v. 14 (3), 155-163
Pneumocystis carinii pneumonia in humans, review of recent advances in and currently used diagnostic methods

Culture, Protozoa
Kendrick, J. W., 1976, Theriogenology, v. 5 (3), 150-152
Trichomonas foetus-induced abortion in cattle, laboratory diagnosis, organisms in placental fluid or abomasal contents of aborted fetus; culture medium

Culture, Protozoa
Keppel, A. D.; and Janovy, J., jr., 1977, J. Parasitol., v. 63 (5), 879-882
Herpetomonas megaseliae and Crithidia harmosa, growth on blood-agar plates as discrete clone colonies, colony morphology differs in the two genera and species, possible applications

Culture, Protozoa
Kim, C. W., 1975, Progr. Clin. Path., v. 6, 267-288
extensive review of techniques used to diagnose human parasitic diseases

Culture, Protozoa
Kingston, N.; and Trueblood, M. S., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 42-45
Anaplasma marginale, attempted infection of small laboratory animals gave equivocal or negative results, organ cultures prepared from exposed Dermacentor andersoni failed to maintain infection, attempts to grow in chick embryos by direct inoculation gave negative results
Oryctolagus cunniculus (exper., "maintained . . . 28 days")
Cavia porcellus (exper., "transient infection")

Culture, Protozoa
Klein, R. A.; and Cross, G. A. M., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 267 [Abstract]
Trypanosoma brucei, culture form S42, L-threonine significant and possibly preferred source of fatty acid carbon units

Culture, Protozoa
Knight, R., 1977, J. Parasitol., v. 63 (2), 388-389
Entamoeba histolytica, in vitro model for measuring cytopathic effect, amebae allowed to attack ^{51}chromium-labeled rabbit kidney cell monolayers grown in Carrel flasks

Culture, Protozoa
Kreier, J. P.; et al., 1976, Ohio J. Sc., v. 76 (6), 243-253
Trypanosoma cruzi in cell cultures, entry, development, release and ultrastructure

Culture, Protozoa
Krystyna, P., 1976, Pediat. Polska, v. 51 (5), 543-548
Trichomonas vaginalis affecting vaginal and urinary tract of young girls, pathologic findings, value of cultures in diagnosis

Culture, Protozoa
Kuil, H., 1977, Trop. and Geogr. Med., v. 29 (3), 316 [Abstract]
Eimeria tenella, in vitro cultivation

Culture, Protozoa
Kulda, J., 1973, J. Protozool., v. 20 (4), 536-537
Proteromonas lacertae-viridis, axenic cultivation

Culture, Protozoa
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propagation of Microsporida, experimental infection in cell line of Heliothis zea

Culture, Protozoa
Kurtti, T. J.; and Brooks, M. A., 1977, J. Invert. Path., v. 29 (2), 126-132
Microsporida [sp.], growth, development, and fumagillin sensitivity in vitro in moth (Heliothis zea) cell culture
Malacosoma disstria: northern Minnesota

Culture, Protozoa
Langreth, S. G.; and Trager, W., 1973, J. Protozool., v. 20 (5), 606-613
Plasmodium lophurae, extracellular development in vitro, light and electron microscopy, incorporation of methionine or proline, observation of abnormalities which may indicate limits of extracellular cultivation in vitro (loss of host-derived outer parasite membrane and apparent reduction in feeding activity via food vacuoles)

Culture, Protozoa
Li, M. F., 1976, Canad. Fed. Biol. Soc., Programme and Proc. 19. Ann. Meet., v. 19, 158 [Abstract]
Labyrinthula spp., possible causative agent of Malpeque disease of oysters, in vitro culture, oyster hemolymph (20%) as a supplement to medium appeared to enhance growth

Culture, Protozoa
Linstead, D. J.; Klein, R. A.; and Eldridge, M. V., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 267-268 [Abstract]
Trypanosoma mega, T. brucei, Crithidia fasciculata, presence of 3 enzymes capable of carbon dioxide fixation in culture as source of carbon for metabolism

Culture Protozoa
Long, P. L., 1973, Folia Vet. Latina, v. 3 (1), 89-109
Eimeria tenella, Eimeria mivati, growth in developing chick embroys and cultured cells, incubation temperature and route of inoculation, tesitng of anticoccidials, serial passage in embryos, review

Culture, Protozoa
Long, P. L., 1974, Folia Vet. Latina, v. 4 (2), 289-300
pathogenic protozoa, cultivation in chicken embryos, review

Culture, Protozoa
Long, P. L.; and Rose, M. E., 1976, Ztschr. Parasitenk., v. 48 (3-4), 291-294
Eimeria tenella, limited in vitro growth in macrophages from chicken peritoneal exudates, trophozoites and first generation schizonts developed; possible means for study of cellular immune responses

Culture, Protozoa
Long, P. L.; and Speer, C. A., 1977, Symposia Brit. Soc. Parasitol., v. 15, 1-26
coccidia, invasion of host cells, symposium presentation: general considerations; excystation; invasion of cells by Eimeria in vivo; host reactions to invasion by Eimeria; invasion of cells by Eimeria sporozoites in vitro; factors affecting invasion of cells by sporozoites; invasion of cultured cells by merozoites; invasion of cells by Toxoplasma

Culture, Protozoa
Lopez-Antunano, F. J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (3), 257 [Letter]
Plasmodium falciparum antigen slides made from in vitro culture for use in indirect immunofluorescence test

Culture, Protozoa
Luehrs, K., 1973, Mykosen, v. 16 (5), 175-177
Trichomonas vaginalis, culture and storage in horseserum-thioglycollate medium with addition of aminoacetic acid, additional storage possible with later replacement of horseserum with fresh hen's egg albumin

Culture, Protozoa
McAlister, R. O.; and Gordon, D. M., 1976, J. Parasitol., v. 62 (4), 639-641
rapid method for recovery of staining properties and morphology of Plasmodium yoelii-infected mouse erythrocytes following washing and culture in vitro

Culture, Protozoa
McDougald, L. R.; and Jeffers, T. K., 1976, J. Protozool., v. 23 (4), 530-534
Eimeria tenella precocious vs. normal strains, comparative development in vitro, pathogenicity attenuation and reduction of prepatent period in precocious strain clearly resulted from omission of portion of life cycle (2nd generation schizogony)

Culture, Protozoa
McDougald, L. R.; and Jeffers, T. K., 1976, Science (4236), v. 192, 258-259
Eimeria tenella, selection for precociousness resulted in strain with only one asexual generation prior to gametogony in vitro

Culture, Protozoa
McGhee, R. B.; and Singh, S. D., 1974, J. Protozool., v. 21 (3), 422-423 [Abstract]
Plasmodium gallinaceum, adaptation sufficient to allow continuous maintenance in chicken embryos, selection toward virulence

Culture, Protozoa
Maitra, S. C.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 56-60
Naegleria aerobia, ultrastructural differences in parasite grown in culture and from infected mouse brain

Culture, Protozoa
Maitra, S. C.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (3), 229-235
Hartmannella culbertsoni, ultrastructural differences in mouse brain and under different cultural conditions

Culture, Protozoa
Malmquist, W. A.; and Brown, C. G. D., 1974, Research Vet. Sc., v. 16 (1), 134-135
establishment of Theileria parva-infected lymphoblastoid cell lines from cattle by using homologous feeder layers of bovine embryonic spleen cells

Culture, Protozoa
Marble, D. W.; and Hanks, M. A., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 49-50
Anaplasma marginale in primary rabbit bone marrow culture

Culture, Protozoa
Marble, D. W.; and Hanks, M. A., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 53-54
Anaplasma marginale, growth in stable rabbit bone marrow cell line vs. primary cell line

Culture, Protozoa
Marcano, C.; and Feo, M., 1972, Mycopath. et Mycol. Applic., v. 47 (3), 275-283
Trichomonas vaginalis, recommendations for diagnosis of human vaginal trichomoniasis using direct examination and cultivation, survey of 200 women from out-patient clinics for evidence of infection: Venezuela

Culture, Protozoa
Marr, J. L., 1976, Proc. Indiana Acad. Sc., v. 85, 1975, 411-417
Tritrichomonas suis, in vitro culture in chick chorio-allantoic fluid resulted in lower numbers and smaller individuals than in commercial C.P.L.M. medium; difference perhaps based on different carbohydrate utilization

Culture, Protozoa
Mason, S. J.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (2), 195-197
Plasmodium knowlesi, surface coat on merozoites, transmission electron microscopy supports theory of origination of coat from parasite rather than from adsorbed serum protein of culture medium

Culture, Protozoa
Mattock, N. M.; and Molyneux, D. H., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 18 [Demonstration]
susceptibility of dog sarcoma and hamster peritoneal cells to various Leishmania spp.

Culture, Protozoa
Mattock, N. M; and Peters, W., 1975, Ann. Trop. Med. and Parasitol., v. 69 (3), 349-357
Leishmania mexicana mexicana, L. tropica major, L. donovani amastigotes in dog sarcoma cells and in hamster peritoneal exudate cell line, techniques for studying sensitivity of parasites and hosts to drugs, concluded that tissue culture system is valid way of determining baseline sensitivity of a Leishamania to chemotherapy, illustrative data with amphotericin B and 7'-trifluormethyl-dihydrocinchonine dihydrochloride

Culture, Protozoa
Mattock, N. M.; and Peters, W., 1975, Ann. Trop. Med. and Parasitol., v. 69 (3), 359-371
Leishmania spp. in tissue culture model system, variety of compounds used in treatment of parasitic or bacterial infections tested for activity, concluded that model may be of use in screening of drugs for leishmanicidal action

Culture, Protozoa
Mazzola, V.; Amerault, T. E.; and Roby, T. O., 1976, Am. J. Vet. Research, v. 37 (8), 987-989
Anaplasma marginale, survival in cell line cultures from Aedes albopictus

Culture, Protozoa
Medina, H.; and Bacila, M., 1955, Arq. Biol. e Tecn., v. 10, 81-96
Leishmania brasiliensis, L. enriettii, cultured in new diphasic medium containing spinach and glucose; L. enriettii grew only in medium containing added guinea-pig blood

Culture, Protozoa
Meingassner, J. G.; Georgopoulos, A.; and Patoschka, M., 1975, Tropenmed. und Parasitol., v. 26 (4), 395-398
Trichomonas vaginalis, mixed Candida albicans intravaginal infection in rats (exper.) established more reliable infection conditions for testing performance of chemotherapeutic drugs than T. vaginalis in axenic culture, metronidazole, tinidazole, nifuratel tested

Culture, Protozoa
Mello, M. N.; and Deane, M. P., 1976, Ann. Trop. Med. and Parasitol., v. 70 (4), 381-388
Trypanosoma cruzi 4 strains, patterns of development in embryonated chicken egg, effect of temperature

Culture, Protozoa
Merino, F.; et al., 1977, Internat. Arch. Allergy and Applied Immunol., v. 55 (1-6), 487-495
Leishmania brasiliensis, in vitro infection of murine macrophages, mechanism of penetration, endocytosis with active participation of both cells

Culture, Protozoa
Meyer, E. A., 1976, Exper. Parasitol., v. 39 (1), 101-105
Giardia lamblia, methods used to establish trophozoites in presence of intestinal fungi, to separate the protozoa from the fungi, and to culture it axenically for more than a year

Culture, Protozoa
Meyer, H.; and de Souza, W., 1973, J. Protozool., v. 20 (5), 590-593
Trypanosoma cruzi cultured in pigment epithelial cells of iris from chick embryo, fine structure, observations suggest uptake of melanin granules through cytostomes by process of intracellular phagotrophy

Culture, Protozoa
Miles, M. A., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (3), 256 [Letter]
Trypanosoma cruzi, virulent and avirulent strains, cloning of cultures on 4N medium

Culture, Protozoa
Minter-Goedbloed, E.; and Oliveira, M. L. S., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 89 [Letter]
differential diagnosis of Trypanosoma rangeli from T. cruzi based on growth in culture media alone not reliable because of variability of T. rangeli from different geographic localities

Culture, Protozoa
Mitchell, G. H.; et al., 1976, Parasitology, v. 72 (2), 149-162
Plasmodium falciparum, techniques for in vitro cultivation, immune IgG-mediated inhibition of development in vitro

Culture, Protozoa
Mitchell, G. H.; Butcher, G. A.; and Cohen, S., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 12-13 [Demonstration]
Plasmodium falciparum, rapid development of gametocytes in culture

Culture, Protozoa
Motomura, I., 1967, Nettai Igaku (Trop. Med.), v. 9 (4), 226-243
Toxoplasma gondii, cysts and proliferative forms, in vitro survival in different concentrations of disinfectants or on incubation with digestive enzymes or bovine bile

Culture, Protozoa
Mueller, B. E. G.; deVos, A. J.; and Hammond, D. M., 1973, J. Protozool., v. 20 (2), 293-297
Eimeria canadensis, development of first generation schizonts and merozoites in various bovine cell cultures

Culture, Protozoa
Mukkada, A. J.; et al., 1974, J. Protozool., v. 21 (2), 393-397
Leishmania tropica, role of exogenous glucose in growth media, delayed utilization

Culture, Protozoa
Mundim, M. H.; et al., 1974, J. Protozool., v. 21 (4), 518-521
Crithidia deanei, cultivation in defined medium, unexpectedly simple nutritional requirements, bacterial endosymbiont revealed by electron microscopy may provide other essential nutrients

Culture, Protozoa
Murphy, M. J.; Pifer, L. L.; and Hughes, W. T., 1977, Am. J. Path. (417), v. 86 (2), 387-401
Pneumocystis carinii cultured on primary embryonic chick epithelial lung cells, scanning electron microscopy of surface ultrastructure revealed pleomorphic organisms attached to host cells with anchoring fibers and also connected to other parasites, possible functions of these fibers

Culture, Protozoa
Naciri-Bontemps, M., 1976, Ann. Recherches Vet., v. 7 (3), 223-230
Eimeria acervulina cycle, grown in primary culture of chicken kidney cells, inoculation with sporozoites for schizogony, merozoites for gamogony

Culture, Protozoa
Nakabayashi, T.; and Miyata, A., 1967, Nettai Igaku (Trop. Med.), v. 9 (2), 79-88
Trichomonas vaginalis, culture with sterile milk compared to serum-containing medium

Culture, Protozoa
Nakabayashi, T.; and Miyata, A., 1968, Nettai Igaku (Trop. Med.), v. 10 (1), 39-49
Trichomonas vaginalis, milk medium used in cultivation

Culture, Protozoa
Neal, R. A.; and Miles, R. A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 380 [Demonstration]
Trypanosoma cruzi, sensitivity of 5 culture media in detecting experimental infections and comparison of culture and xenodiagnosis

Culture, Protozoa
Neuman, M., 1974, Tropenmed. u. Parasitol., v. 25 (2), 243-249
Besnoitia besnoiti, cultivation in cell line cultures of baby hamster kidney and HeLa cells and in sheep thyroid monolayer cultures, last gives most favorable conditions for development and growth

Culture, Protozoa
Neva, F. A.; and Gam, A. A., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 37-46
Trypanosoma cruzi, method for preparation of complement-fixing antigen from amastigote and trypomastigote forms grown in cell cultures, antigen characteristics

Culture, Protozoa
Newton, B. A., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 146-147 [Abstract]
Trypanosoma brucei sspp., amplification of kinetoplast DNA probably occurs in culture forms, much larger amounts of DNA in culture forms than in bloodstream forms; no significant differences found in T. lewisi forms

Culture, Protozoa
Nielsen, M. H., 1976, Acta Path. et Microbiol. Scand., v. 84B (4), 205-216
fine structure of Trichomonas vaginalis cells obtained from exponential phase of growth and from stationary culture, comparative study of endocytotic capacity and surface coats of cells from two types of culture

Culture, Protozoa
Nogueira, N.; and Cohn, Z., 1976, J. Exper. Med., v. 143 (6), 1402-1420
light and electron microscopic study of mechanism of entry and intracellular fate of epimastigotes and trypomastigotes of Trypanosoma cruzi in mammalian cells with comparison studies of other cell types, demonstration of phagocytic process

Culture, Protozoa
Nohynkova, E., 1977, J. Protozool., v. 24 (4), 52A [Abstract]
Trypanosoma danilewskyi, axenic culture, acriflavine induced dyskinetoplasty, differences from untreated forms, presence of respiratory granules in cytoplasm of culture forms

Culture, Protozoa
O'Daly, J. A., 1975, J. Protozool., v. 22 (2), 265-270
Trypanosoma cruzi, growth and transformation in new liquid medium with fetal calf serum as sole undefined component

Culture, Protozoa
O'Daly, J. A., 1976, J. Protozool., v. 23 (4), 577-583
Trypanosoma cruzi, division and epimastigote-to-trypomastigote transformation in vitro, growth-stimulating capacities of fetal calf serum fractions and proteins

Culture, Protozoa
Pereira, N. de M.; et al., 1973, J. Protozool., v. 20 (4), 530
T[rypanosoma] rotatorium, different culture media employed to isolate, subcultures not obtained

Culture, Protozoa
Phillips, R. S.; Rahman, A. K.; and Wilson, R. J. M., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 432 [Demonstration]
Plasmodium falciparum, in vitro penetration of human red cells

Culture, Protozoa
Phillips, R. S.; Wilson, R. J. M.; and Pasvol, G., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 286 [Demonstration]
Plasmodium falciparum, differentiation of gametocytes in vitro

Culture, Protozoa
Pieragostini, E.; et al., 1974, Atti Soc. Ital. Sc., v. 28, 854-857
Leishmania donovani (3 strains), Leishmania tropica, analysis of sterols, comparison; cholesterol possibly from culture medium

Culture, Protozoa
Pifer, L. L.; Hughes, W. T.; and Murphy, M. J., jr., 1977, Pediat. Research, v. 11 (4), 305-316
Pneumocystis carinii, isolation and propagation in vitro using chick embryo epithelial lung cell cultures; scanning and transmission electron morphology, life cycle and cyst multiplication, attachment to host cells, RNA, DNA and protein synthesis, no active mechanism for motility observed

Culture, Protozoa
Podkulski, K.; et al., 1974, J. Protozool., v. 21 (3), 430 [Abstract]
Leptomonas, cloning populations resistant to Berenil and to acriflavin

Culture, Protozoa
Pokorny, J.; et al., 1975, Ceskoslov. Epidemiol., Mikrobiol., Imunol., v. 24 (3), 143-147
Entamoeba histolytica, axenic culture, Diamond medium TP-S-1 with replacement of horse serum by bovine

Culture, Protozoa
Proca-Ciobanu, M.; and Ionescu, M. D., 1975, Arch. Roumaines Path. Exper. et Microbiol., v. 34 (4), 329-340
Acanthamoeba culbertsoni, ultrastructural comparisons of strain grown in brain of experimentally infected mouse and same strain grown in axenic culture

Culture, Protozoa
Pudney, M.; and Lanar, D., 1977, Ann. Trop. Med. and Parasitol., v. 71 (1), 109-118
establishment of cell line from embryonic tissues of Trypanosoma vector, Triatoma infestans; potential use of these cells in culturing and studying Trypanosoma cruzi

Culture, Protozoa
Pye, D.; and Cox, J. C., 1977, Lab. Animals, v. 11 (4), 233-234
Encephalitozoon cuniculi, isolation from urine of infected rabbits, use of human and canine cell cultures, advantages of urine over tissue as source

Culture, Protozoa
Raether, W.; and Uphoff, M., 1976, Internat. J. Parasitol., v. 6 (2), 121-125
Entamoeba histolytica axenic and monoxenic (in association with Crithidia sp.) cultures, survival after storage in liquid nitrogen, semiautomatic vs. automatic freezing, influence of specimen concentration and different plastic storage vessels

Culture, Protozoa
Raisanen, S., 1976, Norwegian J. Zool., v. 24 (4), 458 [Abstract]
Toxoplasma gondii trophozoites, survival in vitro, best preservation media are mouse ascitic fluid and rabbit serum

Culture, Protozoa
Raisanen, S.; and Saari, M., 1976, Med. Biol., v. 54 (2), 152-155
effect of preservation time and changes in osmotic pressure on infectivity and survival of Toxoplasma gondii trophozoites

Culture, Protozoa
Ribeiro, R. D.; and Pereira Barretto, M., 1975, Rev. Brasil. Biol., v. 35 (2), 301-307
Trypanosoma cruzi, ten strains, isolated from man, wild mammals and triatomines, behavior in culture medium over one year, variations in presence of trypomastigotes, epimastigotes and amastigotes

Culture, Protozoa
Richards, W. H. G.; and Williams, S. G., 1973, Ann. Trop. Med. and Parasitol., v. 67 (2), 179-190
Plasmodium berghei, in vitro evaluation of drug activities using whole blood vs. leucocyte-free blood-dilution cultures and ^{3}H-leucine uptake, comparison with P. knowlesi

Culture, Protozoa
Roberts, C. O.; Chaparas, S. D.; and McLaughlin, D., 1976, J. Protozool., v. 23 (2), 34A [Abstract]
Toxoplasma gondii, mammalian and avian cell cultures tested to determine ability to support growth and plaque induction, inhibition of plaque formation by lincocin, sulfisoxazole, cleocin, and aureomycin and by antitoxoplasma antibody

Culture, Protozoa
Roberts, C. O.; Chaparas, S. D.; and McLaughlin, D., 1976, Tr. Am. Micr. Soc., v. 95 (3), 470-482
Toxoplasma gondii, plaque assay technique used to (1) select best tissue culture system for studying progress of infection, (2) assess effect of drugs and antibiotics, (3) observe effect of immune sera on tissue culture infection, and (4) investigate cellular hypersensitivity by in vivo and in vitro systems

Culture, Protozoa
Roitman, I., 1970, Rev. Microbiol., Sao Paulo, v. 1 (2), 93-94
Crithidia fasciculata, growth factors in culture medium above 33°C, lipid and osmotic requirements

Culture, Protozoa
Roitman, I.; et al., 1976, J. Protozool., v. 23 (2), 291-293
"Leptomonas pessoai may be regarded as a thermophilic species of Herpetomonas. . .and we suggest that it be designated Herpetomonas samuelpessoai sp. n.", differentiation of original strain and clones from promastigote to opisthomastigote faster at high temperature and in defined medium

Culture, Protozoa
Roitman, I.; et al., 1977, J. Protozool., v. 24 (4), 553-556
Crithidia hutneri n. sp., C. luciliae thermophila s. sp. n., growth at high temperature in defined medium, nutritional requirements

Culture, Protozoa
Rosales-Ronquillo, M. C.; and Silverman, P. H., 1973, J. Protozool., v. 20 (4), 512
Plasmodium berghei, mode of locomotion of ookinete cultivated in vitro

Culture, Protozoa
Rosales-Sharp, M. C.; and Silverman, P. H., 1976, Invert. Tissue Culture, Applications Med., Biol., and Agric. (Kurstak and Maramorosch), 77-85
Plasmodium berghei, cultivation of sporogonic forms in vector and non-vector cell substrate, review

Culture, Protozoa
Ryley, J. F.; and Wilson, R. G., 1976, Parasitology, v. 73 (3), 287-309
Eimeria tenella, features of anticoccidial activity of 9 older anticoccidials re-investigated both in vivo and in cell culture, methodology discussed in relation to more active and more recent anticoccidials, further experiments with robenidine reported

Culture, Protozoa
Ryley, J. F.; and Wilson, R. G., 1976, Parasitology, v. 73 (2), 137-148
Eimeria tenella, practical considerations involved in screening drugs in cell culture and in the chicken, analysis for incidence of anticoccidial activity and host cell toxicity based on 11,550 compounds screened in vitro, correlation of activity in vitro and in vivo attempted, results show that screening compounds in vitro is not satisfactory or reliable alternative to screening in chickens, but in vitro studies can play a part in evaluation of active drugs

Culture, Protozoa
Schlemper, B. R., jr.; Chiari, E.; and Brener, Z., 1977, J. Protozool., v. 24 (4), 544-547
Trypanosoma cruzi, 48-hr drug screening test based on inhibition of exponential growth of culture forms as evaluated by cell counter, comparison with data from treating inoculated mice, advantages of in vitro method; culture forms not suitable for screening additives to prevent T. cruzi transmission by banked blood

Culture, Protozoa
Sethi, K. K.; et al., 1973, Nature, London, N. Biol. (129), v. 243, 255-256
Toxoplasma gondii, multiplication in enucleated L cells proves that nucleo-cytoplasmic integrity is not required for intracytoplasmic multiplication of this parasite

Culture, Protozoa
Shapiro, M.; Espinal-Tejada, C.; and Nussenzweig, R. S., 1975, J. Parasitol., v. 61 (6), 1105-1106
Plasmodium berghei, P. cynomolgi var. bastianelli, evaluation of method of Rosales-Ronquillo et al. for in vitro ookinete development, failure to yield adequate numbers of ookinetes

Culture, Protozoa
Sheffield, H. C.; Melton, M. L.; and Neva, F. A., 1976, Proc. Helminth. Soc. Washington, v. 43 (2), 217-225
Hammondia hammondi, artificially excysted sporozoites, development in cell culture, ultrastructure, endodyogeny only type division observed, characteristics to differentiate from Toxoplasma gondii

Culture, Protozoa
Siddiqui, W. A.; and Richmond-Crum, S. M., 1977, J. Parasitol., v. 63 (3), 583-584
Plasmodium falciparum, in vitro cultivation, fatty acid-free bovine albumin as replacement for plasma

Culture, Protozoa
Simon, M. W.; Rusnak, J. M.; and Mukkada, A. J., 1976, Exper. Parasitol., v. 39 (1), 51-58
Leishmania tropica promastigotes in vitro, sensitivity to toxic effects of bilirubin (loss of viability, decreased sugar and amino acid uptake, increased efflux of intracellular sugars, hexokinase activity, lowered respiration), results suggest irreversible damage to cell membrane, possible culture loss if bilirubin concentration of hemoglobin solution used is too high

Culture, Protozoa
Singh, K.; and Dutta, G. P., 1977, Indian J. Med. Research, v. 65 (1), 51-57
Entamoeba histolytica, axenic cultures, effects on parasite growth of storage up to 21 days, different media constituents and dilution of medium

Culture, Protozoa
Smith, K.; Irvin, A. D.; and Stagg, D. A., 1976, Research Vet. Sc., v. 21 (2), 205-214
heterokaryons derived from Theileria parva-infected lymphoblasts and Ehrlich ascites tumor cells, ultrastructure of contained parasites

Culture, Protozoa
Smolikova, V.; Suchankova, E.; and Lom, J., 1977, J. Protozool., v. 24 (4), 54A [Abstract]
Trypanosoma danilewskyi, growth in fish tissue culture

Culture, Protozoa
Sofield, W. L.; and Strout, R. G., 1974, J. Protozool., v. 21 (3), 434 [Abstract]
Eimeria tenella, amino acids essential for asexual development in vitro

Culture, Protozoa
Sohi, S. S.; and Wilson, G. G., 1976, Canad. J. Zool., v. 54 (3), 336-342
Nosema disstriae, cell lines developed from hemocytes and ovarian tissues of naturally infected Malacosoma disstria larvae, spores from hemocyte cultures infectious to host larvae, possible use in large-scale production of insect pathogens; ovarian cultures disappeared after several passages

Culture, Protozoa
Soria, C. A.; and Dusanic, D. G., 1975, J. Protozool., v. 22 (4), 509-513
Trypanosoma vespertilionis and T. dionisii in culture compared, population density, morphologic alterations, changes in glucose consumption and pH of media, antigenic analysis

Culture, Protozoa
Speer, C. A.; Silverman, P. H.; and Schiewe, S. G., 1976, Ztschr. Parasitenk., v. 50 (3), 237-244
Plasmodium berghei, P. vinckei vinckei, P. coatneyi, P. knowlesi, attempts to cultivate erythrocytic stages in various cell lines, success only with P. berghei in mouse Leydig cell testicular tumor cultures

Culture, Protozoa
Speer, C. A.; Silverman, P. H.; and Schiewe, S. G., 1976, J. Parasitol., v. 62 (5), 657-663
Plasmodium berghei, erythrocytic stages, cultivation in primary cultures of rodent bone marrow cells, unsuccessful with P. vinckei vinckei and P. knowlesi

Culture, Protozoa
Srivastava, H. K.; and Bowman, I. B. R., 1972, Nature, London, N. Biol. (57), v. 235, 152-153
Trypanosoma rhodesiense, sequence of metabolic changes associated with acquisition of mitochondrial-mediated metabolism during transformation into culture forms, significantly higher rate of oxidation with proline vs. other substrates tested

Culture, Protozoa
Stagg, D. A.; et al., 1974, Research Vet. Sc., v. 16 (1), 125-127
establishment of Theileria lawrencei-infected lymphoblastoid cell lines from a Syncerus caffer calf obtained from an enzootic area in Kenya, use of bovine embryo spleen feeder layers

Culture, Protozoa
Stagg, D. A.; et al., 1976, Research Vet. Sc., v. 20 (2), 122-126
theilerial parasite or parasites (Theileria and/or Cytauxzoon), isolation from Taurotragus oryx in Kenya, establishment of five infected cell lines

Culture, Protozoa
Stamm, W. P.; Phillips, E. A.; and Bell, K., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 433 [Demonstration]
Entamoeba histolytica, immunofluorescent staining of trophozoites in culture, in fresh and preserved feces and tissue sections

Culture, Protozoa
Steck, E. A., 1974, Progr. Drug Research, v. 18, 289-351
Leishmania spp., extensive review (history, etiology, pathology, epidemiology, immunology, cultivation, biochemistry, chemotherapy)

Culture, Protozoa
Steiger, R. F., 1976, J. Protozool., v. 23 (2), 33A-34A [Abstract]
Trypanosoma brucei, new culture medium

Culture, Protozoa
Steiger, R. F.; et al., 1977, J. Parasitol., v. 63 (5), 861-867
Trypanosoma congolense, partial cyclic development in Glossina cell system, oxygen consumption

Culture, Protozoa
Steiger, R. F.; and Steiger, E., 1976, J. Parasitol., v. 62 (6), 1010-1011
Leishmania donovani, L. braziliensis, chemically defined medium for in vitro cultivation

Culture, Protozoa
Steiger, R. F.; and Steiger, E., 1977, J. Protozool., v. 24 (3), 437-441
Leishmania donovani, L. brasiliensis, promastigotes, nutritional requirements studied in modifications of simple defined culture medium, special emphasis placed on glucose and amino acid requirements

Culture, Protozoa
Sucharit, P.; et al., 1977, Ann. Trop. Med. and Parasitol., v. 71 (4), 401-405
Plasmodium falciparum, evaluation of relationships between chloroquine concentrations in in vitro cultures which inhibit maturation of asexual erythrocytic forms of parasite strains found in Thailand and the in vivo response of 3 parasite strains

Culture, Protozoa
Thomaz, N.; and Goncalves da Costa, S. C., 1975, J. Protozool., v. 22 (3), 45A [Abstract]
Trypanosoma cruzi, differentiation in simplified medium

Culture, Protozoa
Toma, M. J.; and Concannon, J. N., 1973, J. Protozool., v. 20 (4), 501-502
Tritrichomonas augusta, culture in serum-free medium, maintained with weekly transfer for over five months

Culture, Protozoa
Toye, P. J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 147 [Abstract]
Trypanosoma cruzi, isoenzyme variation in culture isolates

Culture, Protozoa
Toye, P. J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 266 [Demonstration]
Trypanosoma rangeli, T. cruzi, T. lewisi, differentiation of enzyme patterns of culture forms

Culture, Protozoa
Toyos Aparicio, J. M., 1974, An. Fac. Vet. Leon, v. 20, 35-90
35 strains of Trichomonas vaginalis, taxonomy, morphology, culture, biochemistry, diagnosis, pathology, comparison of pathogenicity in natural and experimental infections, mice, no relationship observed between pathogeny and clinical picture

Culture, Protozoa
Trager, W.; and Jensen, J. B., 1976, Science (4254), v. 193, 673-675
Plasmodium falciparum, continuous culture in human erythrocytes incubated at 38°C in RPMI 1640 medium with human serum under an atmosphere with 7% CO_2 and low oxygen

Culture, Protozoa
Trigg, P. I., 1976, Bull. World Health Organ., v. 53 (4), 399-406
Plasmodium spp., parasite cultivation in relation to chemotherapy of malaria with special application to chloroquine resistance, review of current aspects and new developments

Culture, Protozoa
Trigg, P. I.; and McColm, A. A., 1976, Parasitology, v. 73 (2), xxiii-xxxiv [Abstract]
Plasmodium berghei berghei, erythrocytic stages, in vitro cultivation

Culture, Protozoa
Trigg, P. I.; and Shakespeare, P. G., 1975, J. Protozool., v. 22 (3), 57A [Abstract]
Plasmodium knowlesi, factors affecting invasion of erythrocytes in vitro, results demonstrate that maintenance of integrity of surface of erythrocyte in culture is necessary prerequisite for efficient culture system

Culture, Protozoa
Trigg, P. I.; and Shakespeare, P. G., 1976, Parasitology, v. 73 (2), 149-160
changes in uninfected rhesus monkey erythrocytes incubated in vitro (osmotic fragility, acetylthiocholinesterase activity, glucose catabolism, ATP content) in relation to susceptibility of these cells to invasion by Plasmodium knowlesi, results suggest that maintenance of erythrocyte surface integrity is necessary prerequisite for efficient culture system for malaria parasite

Culture, Protozoa
Trueblood, M. S.; and Bear, P. D., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 54-58
Anaplasma marginale, cultivation in vitro, use of bovine lymph nodes in explant cultures using raft technique, use of lymph node organ cultures in roller culture bottles with and without antibiotics

Culture, Protozoa
Tsvetkova, A.; Iankov, N.; and Dorevska, K., 1975, Vet. Med. Nauk., v. 12 (10), 83-87
Trichomonas gallinarum, T. tenax, culture and isolation on Trimed medium, optimum temperatures (38° and 36°)

Culture, Protozoa
Undeen, A. H., 1975, J. Protozool., v. 22 (1), 107-110
Nosema algerae, growth in pig kidney cell cultures, early developmental stages described

Culture, Protozoa
Valkoun, A.; and Jira, J., 1975, Ceskoslov. Epidemiol., Mikrobiol., Imunol., v. 24 (5), 289-292
Toxoplasma gondii, cultivation in human embryonic lung cell cultures, preparation of pure suspensions of zoites free from host cell contamination by filtration through paper filters

Culture, Protozoa
Viens, P.; et al., 1977, Internat. J. Parasitol., v. 7 (2), 109-111
Trypanosoma musculi blood forms, in vitro cultivation in cell culture media

Culture, Protozoa
Villegas-Gonzalez, J.; and Fastag de Shor, A., 1974, Bol. Med. Hosp. Inf., v. 31 (1), 35-49
Entamoeba histolytica, children, invasive amoebiasis, pathologic review of autopsies; comparison axenic and monoxenic cultures, multiple enzymes present, relationship between acid phosphatase and invasive capacity of parasite

Culture, Protozoa
Visvesvara, G. S.; Callaway, C. S.; and Healy, G. R., 1973, J. Protozool., v. 20 (4), 498
Naegleria fowleri, mechanism of pathogenesis in mouse brain and in monkey kidney cell cultures, light and electron microscopy, observations clearly show that amoebae invade and destroy brain tissue by active phagocytosis

Culture, Protozoa
van Vliet, H.H.D.M.; Op den Kamp, J.A.F.; and van Deenen, L.L.M., 1975, J. Protozool., v. 22 (3), 428-432
Entamoeba invadens, development of medium for large-scale axenic cultivation, lipid requirement for growth, fatty-acid composition of amebae grown with different fatty acids and cholesterol

Culture, Protozoa
Wagner, K. P.; and Krassner, S. M., 1976, Exper. Parasitol., v. 39 (2), 186-194
Leishmania tarentolae, promastigotes, substances in Trager's Defined Medium capable of acting as proline precursors, proline synthesis unaffected by presence of preformed proline indicating absence of end product feedback inhibition

Culture, Protozoa
Wagner, K. P.; and Krassner, S. M., 1976, Exper. Parasitol., v. 39 (2), 222-233
Leishmania tarentolae promastigotes, replica-plating techniques, isolation of stable mutant strains resistant to chloramphenicol, isolation of cell lines stress-adapted to streptomycin and to high culture temperatures, factors influencing resistance, mode of action of chloramphenicol (inhibition of protein synthesis and proline oxidation)

Culture, Protozoa
Walton, B. C.; Shaw, J. J.; and Lainson, R., 1977, J. Parasitol., v. 63 (6), 1118-1119
Leishmania brasiliensis brasiliensis, in vitro cultivation

Culture, Protozoa
Weiss, M. M.; and Vanderberg, J. P., 1977, J. Parasitol., v. 63 (5), 933-934
Plasmodium berghei, in vitro formation of ookinetes

Culture, Protozoa
Williams, S. G.; and Richards, W. H. G., 1973, Ann. Trop. Med. and Parasitol., v. 67 (2), 169-178
Plasmodium berghei, techniques for preparation and culture of leucocyte-free blood-dilution cultures

Culture, Protozoa
Williamson, J.; and Scott-Finnigan, T. J., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 1-2 [Demonstration]
Trypanosoma congolense, in vitro testing of antiviral and antitumor compounds with possible trypanicidal effects, probable RNA inhibition

Culture, Protozoa
Wilson, R. G., 1976, Parasitology, v. 73 (3), 283-286
Eimeria tenella, short-term application of 6 drugs in tissue culture, evaluation of coccidiocidal vs. coccidiostatic effect, necessity of monitoring technique to confirm drug withdrawal, importance of realistic level of drug dose

Culture, Protozoa
Wolf, K.; and Markiw, M. E., 1976, J. Protozool., v. 23 (3), 425-427
Myxosoma cerebralis, in vitro sporulation, first report of culture of a myxosporidan

Culture, Protozoa
Wong, M. M.; Karr, S. L., jr.; and Chow, C. K., J. Parasitol., v. 63 (5), 872-878
Naegleria fowleri maintained in vitro, changes in virulence

Culture, Protozoa
Wosu, L. O., 1977, Vet. Microbiol., v. 2 (1), 89-93
Tritrichomonas foetus, simplified medium for cultivation, rapid technique for obtaining pure cultures without sub-cultivation

Culture, Protozoa
Yoshida, N., 1975, J. Protozool., v. 22 (1), 128-130
Trypanosoma cruzi, macromolecule-free partially defined medium allowing prolonged cultivation by serial transfers and growth comparable to that obtained in more complex media

Culture, Tissue
Banerjee, K.; Guru, P. Y.; and Dhanda, V., 1977, Indian J. Med. Research, v. 66 (4), 530-536
Haemaphysalis spinigera, attempts to grow various arboviruses in cell cultures derived from tick tissue; best results with viruses known or thought to be tick transmitted

Culture, Tissue
Bhat, U. K. M.; and Yunker, C. E., 1977, J. Parasitol., v. 63 (6), 1092-1098
Dermacentor parumapertus, establishment and characterization of diploid cell line

Culture, Tissue
Brooks, M. A., 1976, Invert. Tissue Cult. Research Applic. (Maramorosch), 181-199
parasite transmission, applications of insect tissue culture, review and prospects

Culture, Tissue
Guru, P. Y.; Dhanda, V.; and Gupta, N. P., 1976, Indian J. Med. Research, v. 64 (7), 1041-1045
technique for preparing cell cultures from developing adult tissues of Haemaphysalis spinigera, H. obesa, and Rhipicephalus sanguineus

Culture, Tissue
Heyneman, D., 1976, Invert. Tissue Cult. Research Applic. (Maramorosch), 57-60
snail tissue culture, applications in parasitology, brief review

Culture, Tissue
Kaufman, W. R.; and Barnett, S. F., 1977, Exper. Parasitol., v. 42 (1), 106-114
Dermacentor andersoni, culture of whole salivary glands

Culture, Tissue
Pudney, M.; Varma, M. G. R.; and Leake, C. J., 1973, J. Med. Entom., v. 10 (5), 493-496
Boophilus microplus, culture of embryonic cells

Culture, Tissue
Rehacek, J., 1976, Invert. Tissue Culture, Applications Med., Biol., and Agric. (Kurstak and Maramorosch), 21-33
tick cell and tissue culture in arbovirus investigations, review

Culture, Tissue
Rehacek, J.; and Fischer, R. G., 1971, J. Med. Entom., v. 8 (1), 66-67
Ctenocephalides felis larvae, primary tissue cultures

Culture, Trematoda
Basch, P. F.; and DiConza, J. J., 1977, J. Parasitol., v. 63 (2), 245-249
Schistosoma mansoni, in vitro development compared to in vivo, presence of living Biomphalaria glabrata cells indispensable for proper development, cultured cercariae were water-sensitive, gave no cercarienhullen reaction, appeared to lack surface glycocalyx, and were not infective to mice or hamsters

Culture, Trematoda
Bayne, C. J., 1976, Invert. Tissue Cult. Research Applic. (Maramorosch), 61-74
Schistosoma mansoni, research with in vitro culture of molluscan organs, review

Culture, Trematoda
Capron, A.; et al., 1973, Path. Biol., v. 21 (10), 1079-1084
lethal factor obtained from human sera infected with Schistosoma mansoni or S. haematobium demonstrated lethal action on schistosomula in culture, significant correlation between lethal factor and in vivo and in vitro tests for delayed hypersensitivity

Culture, Trematoda
Coles, G. C., 1975, J. Helminth., v. 49 (3), 205-209
Schistosoma mansoni schistosomula, 3-week-old, and adult worms, activity of 6 clinical and 6 experimental schistosomicides in vitro, concluded that meaningful screening for potential schistosomicides cannot at present be carried out in vitro

Culture, Trematoda
Cornish, R. A.; and Bryant, C., 1976, Internat. J. Parasitol., v. 6 (5), 387-392
Fasciola hepatica, levels of metabolic intermediates and end products after 24 and 48 hrs in Hedon-Fleig salt solution with added glucose compared with levels obtained immediately on removal from host, implications for metabolic regulation, concluded that for at least 48 hrs in vitro energy metabolism is not adversely affected

Culture, Trematoda
Cornish, R. A.; and Bryant, C., 1976, Internat. J. Parasitol., V. 6 (5), 393-398
Fasciola hepatica maintained in vitro, effects of rafoxanide, nitroscanate, and mebendazole on oxidative pathways

Culture, Trematoda
Cowper, S. G., 1974, Ann. Trop. Med. and Parasitol., v. 68 (4), 415-425
continuous flow apparatus for in vitro maintenance: Schistosoma mansoni, S. haematobium, survival time, carbohydrate metabolism; Plasmodium knowlesi, morphology and carbohydrate metabolism; preliminary attempts to cultivate Trypanosoma vivax and Babesia canis

Culture, Trematoda
Fu, H.-M.; Chow, K.; and Chiu, J.-K., 1976, Internat. J. Zoonoses, v. 3 (2), 105-113
Schistosoma japonicum adults and schistosomula, in vitro culture with various sera and media, survival; development and morphological changes of schistosomula

Culture, Trematoda
Fujino, T.; et al., 1977, J. Helminth., v. 51 (2), 125-129
Microphalloides japonicus metacercariae, cultivation in vitro to gravid adults in various media, comparison with in vivo development

Culture, Trematoda
Hanna, R. E. B.; Baalawy, S. S.; and Jura, W., 1975, Research Vet. Sc., v. 19 (1), 96-97
Fasciola gigantica, development of in vitro techniques to study the invasive process, conditions necessary for excystment and penetration of mouse gut, maintenance of larvae on spleen cell monolayers

Culture, Trematoda
Hanna, R. E. B.; and Jura, W., 1976, Research Vet. Sc., v. 21 (2), 244-246
Fasciola gigantica juveniles, in vitro maintenance, no significant growth but no physiological damage for at least 6 weeks, subsequent infectivity for mice, more flukes established from intraperitoneal injection of juveniles than oral infection of metacercariae, mouse as probable model host

Culture, Trematoda
Hansen, E. L., 1976, Invert. Tissue Cult. Research Applic. (Maramorosch), 75-99
Schistosoma mansoni, development and maintenance of a cell line from embryos of Biomphalaria glabrata for future study of parasite growth

Culture, Trematoda
Hansen, E. L., 1976, Invert. Tissue Culture, Applications Med., Biol., and Agric. (Kurstak and Maramorosch), 87-97
application of tissue culture of Biomphalaria glabrata to culture of larval Schistosoma mansoni, review

Culture, Trematoda
Harada, T., 1971, Nettai Igaku (Trop. Med.), v. 12 (4), 219-233
Schistosoma japonicum, viability and hatchability under various conditions of media, possible infection routes and development and survival in Oncomelania nosophora intermediate snail hosts

Culture, Trematoda
Lehner, R. P., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 285 [Demonstration]
Fasciola hepatica, continuous-flow culture system for axenic maintenance of adult worms

Culture, Trematoda
Lo, C. T.; and Cross, J. H., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (2), 252-257
Fasciolopsis buski, in vitro cultivation using several artificial media

Culture, Trematoda
McLaren, D. J.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 292 [Demonstration]
Schistosoma mansoni, freeze fracture technique used to compare tegumental membranes of schistosomula recovered from hosts at various times up to 5 days with those maintained in culture for a comparable period; results suggest that tegumental membranes of cultured worms turn over more rapidly than those of worms in vivo and therefore question use of cultured worms for studies on membranes

Culture, Trematoda
Mitchell, J. S., 1977, Parasitology, v. 75 (2), xviii [Abstract]
Cotylurus, in vitro culture from metacercariae to egg-producing adults, morphological comparison with in vivo worms

Culture, Trematoda
Osuna Carrillo de Albornoz, A.; and Guevara Pozo, D., 1973, Rev. Iber. Parasitol., v. 33 (4), 661
Fasciola hepatica, preliminary note on culture from excysted metacercaria

Culture, Trematoda
Osuna Carrillo de Albornoz, A.; and Guevara Pozo, D., 1974, Rev. Iber. Parasitol., v. 34 (1-2), 137-140
Fasciola hepatica metacercariae cultured 54 days, description of medium; body growth, development of genital primordia and intestinal branches

Culture, Trematoda
Schiller, E. L.; et al., 1975, J. Parasitol., v. 61 (3), 385-389
Schistosoma mansoni, adults cultured in vitro under aerobic vs. anaerobic conditions, no differences in glucose utilization and lactic acid production, virtually no egg-laying in absence of oxygen

Culture, Trematoda
Shaw, J. R., 1977, Exper. Parasitol., v. 41 (1), 54-65
Schistosoma mansoni, effect of pairing females from single sex infections with males under in vitro conditions, subsequent development and ultrastructural changes in reproductive system

Culture, Trematoda
Shaw, J. R.; and Erasmus, D. A., 1977, Parasitology, v. 75 (1), 101-109
Schistosoma mansoni, technique for in vitro maintenance of mature worms assessed by criteria in general use as well as by more critical analysis in terms of ultrastructure (particularly of female reproductive system), comparison between changes usually associated with in vitro culture and those induced by action of Astiban, differential cell death associated with both

Culture, Trematoda
Siddiqui, M. A.; and Attia, M. S., 1973, Riv. Parassitol., Roma, v. 34 (4), 277-280
Paramphistomum cervi, Gastrothylax crumenifer, in vitro maintenance for about 36 hours, water content, lipid content, nitrogen and protein estimation

Culture, Trematoda
Smith, M.; Clegg, J. A.; and Webbe, G., 1976, Ann. Trop. Med. and Parasitol., v. 70 (1), 101-107
Schistosoma haematobium, in vitro development in culture system used for S. mansoni, compared with development in Mesocricetus auratus and with development of S. mansoni in vitro

Culture, Trematoda
Smith, M.; and Webbe, G., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 9-10 [Demonstration]
Schistosoma haematobium and S. mansoni in vitro, anti-sera of both species showed little or no detectable activity against each other suggesting no cross-immunity between the two

Culture, Trematoda
Tiba, Y.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 72 [Letter]
Schistosoma mansoni, technique for culture of large numbers of viable schistosomula for use in biological, biochemical and chemotherapeutic studies, capacity to develop in vivo tested in mice

Culture, Trematoda
Weller, T. H., 1976, Am. J. Trop. Med. and Hyg., v. 25 (2), 208-216
Schistosoma mansoni, Craig Lecture before Am. Soc. Trop. Med. and Hyg.: cultivation in vitro; detection of antigenic materials elaborated in vivo; epidemiology and control

Culture, Trematoda
Yasuraoka, K.; et al., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 197
Schistosoma japonicum, Philippine strain, culture from cercarial stage, effects of immune rabbit and human sera in vitro, preliminary report

Cuticle. [See also Integument; Parasite surfaces; Tegument]

Cuticle
Banaja, A. A.; James, J. L.; and Riley, J., 1976, Parasitology, v. 73 (2), xxix [Abstract]
pentastomids, tegumental cuticular cells, osmoregulatory function

Cuticle
Banaja, A. A.; James, J. L.; and Riley, J., 1977, Internat. J. Parasitol., v. 7 (1), 27-40
Reighardia sternai, Porocephalus crotali, Armillifer moniliformis, tegumental chloride cells (previously termed cuticular cells), ultrastructure, osmoregulatory function

Cuticle
Bird, A. F., 1976, Organ. Nematodes (Croll), 107-137
skeletal structures in nematodes (copulatory spicules, cuticle, egg shell): structure, chemical composition, ontogeny, function, review

Cuticle
Bogoiavlenskii, Iu. K.; and Demchenko, A. N., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 281-285
Raphidascaris acus, structure of cuticle, hypodermis, and somatic musculature

Cuticle
Bogoiavlenskii, Iu. K.; and Koroleva, N. A., 1969, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 20, 21-29
Ascaridia galli, Hystrichis tricolor, comparison of micromorphology and histochemistry of hypodermal-muscular sac during pre-imaginal development

Cuticle
Bonner, T. P.; Evans, K.; and Kline, L., 1976, Internat. J. Parasitol., v. 6 (6), 473-477
Nippostrongylus brasiliensis, role of gene expression in regulating cuticle formation during second molt, results strongly suggest that messenger RNA specific for molting was synthesized at 90 hours

Cuticle
Brzosko, W. J.; and Gancarz, Z., 1970, Med. Dosw. i Mikrobiol., v. 22 (1), 91-94
Trichinella spiralis, electron microscopy of larval cuticular antigenic structure

Cuticle
Clark, T. B.; and Brandl, D. G., 1976, J. Invert. Path., v. 28 (3), 341-349
Tetrahymenina infection of Aedes sierrensis larvae (nat. and exper.), melanized spots on cuticle were sites of invasion or attempted invasion, invasion sites were capped by hemispherical membranes or cysts vacated by invading ciliates, factors such as host activity, host age, and cuticle thickness limited successful infection: near Kings River, Fresno County, California

Cuticle
Evans, H. J.; Sullivan, C. E.; and Piez, K. A., 1976, Biochemistry, Washington, v. 15 (7), 1435-1439; Correction (11), 2500
Ascaris lumbricoides, cuticle collagen, resolution into three chain types by chromatography on phosphocellulose

Cuticle
Fujimoto, D., 1975, J. Biochem., Tokyo, v. 78 (5), 905-909
Ascaris lumbricoides, extent of hydrolysis of Ascaris cuticle collagen by bacterial collagenase under various conditions, amino acid composition of collagenase digests, results suggest $CaCl_2$ necessary for hydrolysis of certain regions in molecule of Ascaris collagen not present in mammalian collagens

Cuticle
Heyneman, D.; and Umathevy, T., 1966, Med. J. Malaya, v. 20 (4), 353-354
differentiation of Plagiorchis spp. cercariae using the patterns of their argentophilic cuticular structures

Cuticle
Hominick, W. M., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 383 [Demonstration]
Thelastoma sp., bacterial infection of cuticle of pinworms inhabiting hindgut of laboratory reared Periplaneta americana, bacterial preference for Thelastoma sp. over Hammerschmidtiella diesingi possibly related to structure of cuticle

Cuticle
Kannupandi, T., 1976, Indian J. Exper. Biol., v. 14 (1), 57-58
Pennella elegans, chemical composition and mode of stabilization of cuticle protein, disulphide linkage, possible function in protection from host enzymes

Cuticle
Kannupandi, T., 1976, Science and Culture, v. 42 (10), 523-524
Pennella elegans, cuticular respiration

Cuticle
Karuppaswamy, S. A., 1977, Experientia, v. 33 (6), 735-736
Raillietiella gowrii, occurrence of β-chitin in cuticle as opposed to α-chitin found in arthropod cuticle, suggests that Pentastomida may be considered independent phylum

Cuticle
Kumar, P.; and Somadder, K., 1976, Indian J. Entom., v. 36 (4), 1974, 355-358
Haematopinus suis, Pediculus humanus, and Linognathus vituli, hatching organ, description and mechanism

Cuticle
Leventhal, R.; and Soulsby, E. J. L., 1977, Exper. Parasitol., v. 41 (2), 423-431
Ascaris suum early larval stages, cuticular binding of third component of complement

Cuticle
Lim, B. L., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (3), 376-381
Angiostrongylus cantonensis, redescription, morphologic comparisons with A. malaysiensis and with A. cantonensis from Formosa: East Coast of Peninsular Malaysia

Cuticle
Martinez Gomez, F.; and Hernandez Rodriguez, S., 1973, Rev. Iber. Parasitol., v. 33 (2-3), 295-313
Ostertagia circumcincta, ultrastructure of body wall and intestinal epithelium

Cuticle
Molfi, A., 1976, Arq. Biol. e Tecn., v. 19 (1), 9-14
Eurytrema coelomaticum, histochemistry of polysaccharides, cuticle, subcuticular cells, parenchyma and uterine secretion

Cuticle
Mukerji, K.; et al., 1976, Indian J. Med. Research, v. 64 (11), 1611-1619
Ascaris lumbricoides var. hominis, purification and protein properties of trypsin inhibitor located in muscular and cuticular layers of parasite, speculations on immunologic role

Cuticle
Neilson, J. T. M., 1975, J. Parasitol., v. 61 (5), 785-793
Dipetalonema viteae, adults, soluble somatic extracts, extracts of solubilized cuticles and membranes, fractionation by Sephadex column chromatography and polyacrylamide gel electrophoresis, constituents of each preparation compared by immunodiffusion and immunoelectrophoresis

Cuticle
Neville, A. C.; Parry, D. A. D.; and Woodhead-Galloway, J., 1976, J. Cell Sc., v. 21 (1), 73-82
Xenopsylla cheopsis, chitin crystallites in cuticle

Cuticle
Pavlov, A. V.; and Koshkina, L. A., 1975, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 25, 106-109
ascarids, chicks, increased ATP-ase and sodium and chloride ions in body fluid of worms from hosts vaccinated before infection, possible relationships to cuticle permeability and transport system

Cuticle
Poinar, G. O., jr.; and Hess, R., 1977, Exper. Parasitol., v. 42 (1), 27-33
Romanomermis culicivorax, parasitic juveniles, morphological evidence of possible transport system for transcuticular uptake of nutrients

Cuticle
Rubtsov, I. A., 1966, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 17, 128-156
ontogenesis of mermithids, illustrated description of structure of body, cuticle, amphids, longitudinal fields, stichosome, osmosome, trophosome and reproductive organs; technique of preparing material

Cuticle
Shava, F. H. M.; and Lewis, J. W., 1977, Parasitology, v. 75 (2), xxv-xxvi [Abstract]
Syphacia stroma, S. obvelata, S. mesocriceti, differences in general body surface, lip regions, eggs, and mamelons, scanning electron microscopy

Cuticle
Shishova-Kasatochkina, O. A.; and Pavlov, A. V., 1969, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 20, 195-204
factor influencing resistance of helminths to host proteolytic enzymes (enzyme inhibitors secreted by helminths, chemical structure of worm cuticle, specificity of host proteolytic enzymes and structure and composition of protein molecules in helminths), review

Cuticle
Sommerville, R. I.; and Davey, K. G., 1976, Internat. J. Parasitol., v. 6 (5), 433-439
Anisakis sp. larva, cuticle formation and ecdysis in vitro, development restarted by physico-chemical stimuli (effect of different media, carbon dioxide, storage, temperature), feeding does not occur until after moulting

Cuticle
Specian, R. D.; and Ubelaker, J. E., 1976, Proc. Helminth. Soc. Washington, v. 43 (1), 59-65
Seuratum cancellatum, redescription, cephalic morphology, external cuticular modifications, scanning electron microscopy

Cuticle
Trainer, J. E., jr.; Self, J. T.; and Richter, K. M., 1975, J. Parasitol., v. 61 (4), 753-758
Porocephalus crotali, cuticle, ultrastructure, function, phylogenetic implications (clearly pro-arthropodan, uniqueness supports status of independent phylum)

Cuticle
Vincent, A. L.; Ash, L. R.; and Frommes, S. P., 1975, J. Parasitol., v. 61 (3), 499-512
Brugia malayi, adults in pulmonary arteries of male Meriones unguiculatus, ultrastructure (cuticle, chords and intrachordal hypodermis, somatic musculature, basal laminae and pseudocoel, alimentary tract, reproductive systems)

Cuticle
Vincent, A. L.; Portaro, J. K.; and Ash, L. R., 1975, J. Parasitol., v. 61 (3), 567-570
Brugia pahangi, midbody ultrastructure of cuticle, hypodermis, and somatic musculature of adults, compared to B. malayi

Cyprus
Polydorou, K., 1977, Trop. Animal Health and Prod., v. 9 (3), 141-146
national anti-echinococcosis campaign, public education, control of dogs, control of slaughter; almost total elimination in food animals born since initiation of campaign: Cyprus

Cysts
Andersen, K., 1976, Fauna, Oslo, v. 29 (1), 1-20
helminth adaptation to life in vertebrate intestine, cysts, attachment organs, structure of tegument, immune response, site selection, evolution, extensive review

Cysts
Asanji, M. F.; and Williams, M. O., 1975, Ztschr. Parasitenk., v. 47 (2), 151-163
trematode metacercarial excystment, enzymes, various non-enzymic media, temperature, pH, osmotic pressure, oxidation-reduction potential, ox bile as factors

Cysts
Barrett, R. A.; and Alexander, M., 1977, Applied and Environment. Microbiol., v. 33 (3), 670-674
Acanthamoeba, susceptibility of cysts to microbial and enzymatic degradation in soil and in vitro

Cysts
Basson, P. A.; McCully, R. M.; and Bigalke, R. D., 1970, Onderstepoort J. Vet. Research, v. 37 (2), 105-126
Besnoitia besnoiti, development and pathology of bovine strains in cattle (exper.) and of bovine and antelope strains in rabbits (exper.), macroscopic and microscopic lesions, chronic and acute infections

Cysts
Bergmann, V.; and Kinder, E., 1975, Monatsh. Vet.-Med., v. 30 (20), 772-774
Sarcocystis tenella, sheep, differences in cyst wall structure, electron microscopy, thin- and thick-walled microcysts, macrocysts, possibly two species involved

Cysts
Blair, D., 1976, J. Helminth., v. 50 (2), 125-132
Apatemon gracilis, life cycle completed in laboratory, cercaria redescribed, development of metacercariae in various fishes (host and location specificity, exper. infections not realized in some fish species which were naturally infected), excystation of metacercaria

Cysts
Bortoletti, G.; and Ferretti, G., 1973, Riv. Parassitol., Roma, v. 34 (2), 89-110
Echinococcus granulosus, electron microscopy: cyst wall; brood capsules; protoscolex tegument; brood capsule formation; protoscolex formation; comparison with Hydatigera taeniaeformis larval forms

Cysts
Bradbury, P. C., 1974, J. Protozool., v. 21 (1), 112-120
Hyalophysa chattoni, phoront, fine structure

Cysts
Brugerolle, G., 1973, J. Protozool., v. 20 (5), 574-585
Chilomastix aulastomi, trophozoite, cyst, ultrastructure

Cysts
Caley, J., 1975, Ztschr. Parasitenk., v. 47 (3), 217-235
Hymenolepis nana, comparison of cysticercoids from Tribolium confusum and mouse villi, electron microscopy; activation and excystation effects of bile salts, other surfactants, pH, succinic and lactic acid

Cysts
Canning, E. U.; et al., 1977, J. Protozool., v. 24 (2), Suppl., 6A [Abstract]
Hepatocystis sp. from Callosciurus nigrovittatus, fine structure of merocyst

Cysts
Chapman, H. D., 1977, Parasitology, v. 75 (2), xxvi [Abstract]
Eimeria tenella, effect of different enzymes on in vitro excystation

Cysts
Cironeanu, I., 1975, Rev. Crest. Animalelor, v. 25 (2), 81-82
Sarcocystis miescheriana, Trichinella spiralis, differential diagnosis of cysts

Cysts
Clark, T. B.; and Brandl, D. G., 1976, J. Invert. Path., v. 28 (3), 341-349
Tetrahymenina infection of Aedes sierrensis larvae (nat. and exper.), melanized spots on cuticle were sites of invasion or attempted invasion, invasion sites were capped by hemispherical membranes or cysts vacated by invading ciliates, factors such as host activity, host age, and cuticle thickness limited successful infection: near Kings River, Fresno County, California

Cysts
Coltorti, E. A.; and Varela-Diaz, V. M., 1975, J. Parasitol., v. 61 (5), 974-976
Echinococcus granulosus, maintenance of hydatid cysts in vitro using synthetic media, evaluation of macroscopic appearance of these cysts following implantation into peritoneal cavity of gerbils as criterion of cyst viability, possible use in screening potential cysticidal drugs

Cysts
Coltorti, E. A.; and Varela-Diaz, V. M., 1975, Ztschr. Parasitenk., v. 48 (1), 47-51
hydatid cysts from gerbils and mice and cysts transplanted from mice to gerbil peritoneal cavities, host IgG in cysts in variable concentrations, entrance of macromolecules possibly discontinuous or random; possible mechanisms

Cysts
Coltorti, E. A.; and Varela-Diaz, V. M., [1977], Ann. Parasitol., v. 51 (6), 1976, 647-652
survival of hydatid cysts in vitro and in vivo (mice) after puncturing with fine gauge needles, ability of cysts to repair or recuperate from such a microfissure, results consistent with detection of antibody responses in persons harboring hyaline hydatid cysts with apparently intact membranes and with hypothesis of association between integrity of cyst membranes and degree of host immunological response

Cysts
Conder, G. A.; and Duszynski, D. W., 1977, J. Protozool., v. 24 (1), 177-181
Eimeria nieschulzi, effects of heat and cobalt-60 gamma-radiation on oocyst structure and sporozoite excystation

Cysts
Crider, C. R.; and Meade, T. G., 1975, Proc. Helminth. Soc. Washington, v. 42 (1), 21-24
Posthodiplostomum minimum, antibody-antigen precipitin tests and immunofluorescence microscopy as useful methods for studies on origin of cyst wall, indicate both fish and parasite origin for total wall

Cysts
Doens-Juteau, O., 1974, J. Protozool., v. 21 (3), 470 [Abstract]
Eimeria tenella, macrogamete, oocyst, surface ultrastructure

Cysts
Duszynski, D. W.; and File, S. K., 1973, J. Protozool., v. 20 (4), 510
Isospora sp. from Callimico goeldii, in vitro excystation

Cysts
Duszynski, D. W.; and File, S. K., 1974, Tr. Am. Micr. Soc., v. 93 (3), 403-408
Isospora endocallimici, sporozoites, excystation, oocyst structure, comparisons with other isosporans

Cysts
Duszynski, D. W.; and Speer, C. A., 1976, Ztschr. Parasitenk., v. 48 (3-4), 191-197
Isospora arctopitheci, I. bigemina, sporozoite excystation, lack of Stieda body, comparison with other Isospora, Eimeria and Sarcocystis species

Cysts
Ferguson, D. J. P.; Hutchison, W. M.; and Siim, J. C., 1975, J. Protozool., v. 22 (3), 51A [Abstract]
Toxoplasma gondii, development of macrogamete and oocyst, ultrastructural study

Cysts
Frenkel, J. K.; Dubey, J. P.; and Hoff, R. L., 1976, J. Protozool., v. 23 (3), 421-424
Toxoplasma gondii, Besnoitia jellisoni, loss of stages after prolonged passage in tachyzoite stage (T. gondii developed cysts which when fed to cats failed to produce oocysts; B. jellisoni lost capacity to form cysts), phenomena explained by loss of genomes or gene products

Cysts
Fried, B.; and Grigo, K. L., 1975, Proc. Helminth. Soc. Washington, v. 42 (1), 63-65
Philophthalmus hegeneri cercariae, encystment on Artemia salina (exper.), adverse effects on nauplii but not on adult shrimps: Clearwater, Florida

Cysts
Hanna, R. E. B.; Baalawy, S. S.; and Jura, W., 1975, Research Vet. Sc., v. 19 (1), 96-97
Fasciola gigantica, development of in vitro techniques to study the invasive process, conditions necessary for excystment and penetration of mouse gut, maintenance of larvae on spleen cell monolayers

Cysts
Hanna, R. E. B.; and Jura, W., 1976, Research Vet. Sc., v. 20 (3), 344-345
Fasciola gigantica, bile less important than carbon dioxide in activation of metacercariae prior to excystment

Cysts
Heath, D. D.; and Lawrence, S. B., 1976, Parasitology, v. 73 (3), 417-423
Echinococcus granulosus, culture in vitro from oncosphere to immature hydatid cyst, cyst morphogenesis; safety techniques to avoid accidental infection of laboratory workers

Cysts
Higgins, J. C.; Wright, D. E.; and Matthews, R. A., 1977, Parasitology, v. 75 (2), 207-214
Bucephalus haimeanus, metacercarial cyst wall, ultrastructure and histochemistry

Cysts
Howells, R. E.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 438 [Demonstration]
Sarcocystis [sp.] from Dasypus novemcinctus (tongue, skeletal muscle), electron micrographs and histochemistry of cysts

Cysts
Jensen, J. B.; et al., 1976, J. Parasitol., v. 62 (2), 195-198
Eimeria spp., effect of substituting various gases for CO_2 in established excystation procedure, evidence that role of CO_2 is that of allosteric effector enhancing action of reducing agent

Cysts
Jolley, W. R.; et al., 1976, J. Parasitol., v. 62 (2), 199-202
Eimeria stiedai, E. tenella, formation of sulfhydryl groups in walls of oocysts subjected to in vitro excystation, effect of cysteine hydrochloride-CO_2 complex on oocyst wall proteins

Cysts
Jolley, W. R.; and Nyberg, P. A., 1974, Proc. Helminth. Soc. Washington, v. 41 (2), 259-260
Eimeria tenella, E. stiedai, in vitro excystation, formation of carbon dioxide-cysteine complex in incubation fluid

Cysts
Kan, S. P.; and Dissanaike, A. S., 1976, Internat. J. Parasitol., v. 6 (4), 321-326
Sarcocystis booliati, zoites and cyst wall, ultrastructure

Cysts
Kanemaru, T.; et al., 1976, Exper. Rep. Equine Health Lab. (13), 8-18
Echinococcus granulosus equinus, horses, hepatic unilocular hydatid cysts, morphology: born in Ireland and England, imported to Japan

Cysts
Kaushal, D. C.; Verma, A. K.; and Raizada, M. K., 1976, Current Sc., Bangalore, v. 45 (5), 181-183
Hartmanella culbertsoni, cyclic nucleotide phosphodiesterase activity in cells and culture medium, cells starving or differentiating into cysts

Cysts
Kozakiewicz, B., 1975, Med. Wet., v. 31 (9), 526-530
Echinococcus granulosus, swine, incidence in slaughter houses and individual farms, fertility of cysts in relation to size, highest incidence in liver: Poland

Cysts
Landau, I., 1973, Ann. Trop. Med. and Parasitol., v. 67 (4), 403-407
analysis of analogy between Toxoplasma and Hepatozoon life cycles; importance and role of cyst formation in the Coccidia

Cysts
Lo, S.; et al., 1975, J. Parasitol., v. 61 (3), 413-417
Allopodocotyle lepomis, larval surface structure, tegumental changes during transition from cercaria to metacercaria, topography of newly encysted metacercaria and host capsule, scanning electron microscopy

Cysts
Long, P. L.; and Speer, C. A., 1977, Symposia Brit. Soc. Parasitol., v. 15, 1-26
coccidia, invasion of host cells, symposium presentation: general considerations; excystation; invasion of cells by Eimeria in vivo; host reactions to invasion by Eimeria; invasion of cells by Eimeria sporozoites in vitro; factors affecting invasion of cells by sporozoites; invasion of cultured cells by merozoites; invasion of cells by Toxoplasma

Cysts
Louckova, M., 1974, J. Protozool., v. 21 (3), 457 [Abstract]
Leptomonas sp. in Corixa punctata, life cycle, unusual mode of encystment

Cysts
Mattern, C. F. T.; Honigberg, B. M.; and Daniel, W. A., 1973, J. Protozool., v. 20 (2), 222-229
Trichomitus batrachorum, fine structural changes associated with pseudocyst formation

Cysts
Matuschka, F. R., 1977, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 238 (3), 419-429
Toxoplasma gondii cysts in Mastomys natalensis (brain) (exper.), sulfomethoxypyrazine + pyrimethamine, no endodyogeny observed on treated cysts, effects on cyst ultrastructure, scanning and transmission electron microscopy

Cysts
Mehlhorn, H.; and Heydorn, A. O., 1977, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 239 (1), 124-139
Sarcocystis suihominis, pigs (exper.), cyst fine structure and development in muscle fibre, nervous and connective tissue cells, light and electron microscopy, concluded that development of S. suihominis is somewhat quicker than other sarcosporidia

Cysts
Mehlhorn, H.; Heydorn, A. O.; and Gestrich, R., 1975, Ztschr. Parasitenk., v. 48 (2), 83-93
Sarcocystis ovicanis, lambs infected with cysts from dogs which had been infected with sheep muscles infected with S. tenella, light and electron microscopy of cysts in lambs, cyst wall structure

Cysts
Mignot, J.-P.; and Brugerolle, G., 1974, J. Protozool., v. 21 (5), 649-658
Opalina, Cepedea, ultrastructure of 2 different types of cysts, cortical morphogenesis

Cysts
Mitchell, C. W.; and Crang, R. E., 1976, Exper. Parasitol., v. 40 (3), 309-313
Posthodiplostomum minimum, cyst wall components, form and composition of accumulated excretory concretions within body of metacercaria, scanning electron microscopy and X-ray microanalysis

Cysts
Motomura, I.; and Jo, K., 1970, Nettai Igaku (Trop. Med.), v. 12 (2), 41-50
Toxoplasma gondii, cyst distribution and development within brain of infected mice, statistics of numbers of toxoplasmas within a single brain cyst

Cysts
Mueller, B. E. G.; Mehlhorn, H.; and Scholtyseck, E., 1973, J. Protozool., v. 20 (4), 505
ultrastructure and origin of cyst wall in Toxoplasmatea

Cysts
Nath, D., 1974, Indian J. Animal Sc., v. 43 (8), 1973, 797-799
plagiorchiid metacercaria in Rana cyanophlyctis (pectoral muscles), description of cyst and artificially excysted juvenile: ponds of Mathura district (Uttar Pradesh)

Cysts
Perez, C.; and Luengo, J., 1969, Bol. Chileno Parasitol., v. 24 (3-4), 163
Trichinella spiralis, nine larvae demonstrated in single cyst of pig muscle

Cysts
Pettersen, E. K., 1977, Acta Path. et Microbiol. Scand., v. 85B (1), 95-102
Toxoplasma gondii, avirulent strain made virulent by mouse passage and then attenuated by storage, comparison of cyst-forming abilities in mice and rabbits, rabbits infected with attenuated parasites survived challenge with virulent parasites

Cysts
Podhajecky, K.; Spaldonova, R.; and Tomasovicova, O., 1974, Biologia, Bratislava, s. B, Zool. (1), v. 29 (2), 163-166
Trichinella spiralis in mice given intravenous calcium, development in and duration of intestinal phase unaffected, moderate retardation of encapsulation process in muscle phase, small increase in worm reproductive capacity

Cysts
Popiel, I., 1976, Norwegian J. Zool., v. 24 (2), 137-141
Cercaria vaullegeardi, redescription; possible functions of caudal cysts and appendages

Cysts
Popiel, I., 1976, Norwegian J. Zool., v. 24 (4), 353-364
Cercaria stunkardi metacercaria in Amphithoe rubricata (exper.), ultrastructure of cyst wall, gut caecae, and tegument at varying intervals after penetration, host encapsulation

Cysts
Pronina, S. V., 1977, Arkh. Anat., Gistol. i Embriol., v. 73 (7), 108-112
Triaenophorus nodulosus, Diphyllobothrium dendriticum, cytochemistry of labrocyte-like cells in capsules in fish host tissue surrounding plerocercoids

Cysts
Rainis, K. G.; and Buttrey, B. W., 1976, J. Protozool., v. 23 (2), 12A [Abstract]
Tritrichomonas augusta, formation of pseudocysts in relation to temperature

Cysts
Rao, N. A.; and Font, R. L., 1977, Arch. Ophth., Chicago, v. 95 (2), 273-277
Toxoplasma gondii causing retinochoroiditis, formalin-fixed human eye tissue, electron microscopic study of cysts, immunofluorescent-antibody technique in diagnosis when routine histologic preparation fails to reveal parasites

Cysts
Rondanelli, E. G.; et al., 1973, Riv. Parassitol., Roma, v. 34 (4), 263-270
Entamoeba coli cysts, ultrastructure in monoxenic culture, basis for outlining an organization model

Cysts
Schnur, L. F., 1975, J. Protozool., v. 22 (3), 55A [Abstract]
Trichomonas, cyst-like forms in feces of Syrian hamsters not considered to be true cysts

Cysts
Scholtyseck, E.; Mehlhorn, H.; and Mueller, B.E.G., 1974, J. Protozool., v. 21 (2), 284-294
Sarcocystis tenella, Besnoitia jellisoni, Frenkelia sp., Toxoplasma gondii, nature of cyst, fine structure of cyst wall

Cysts
Schuster, F. L., 1975, J. Protozool., v. 22 (3), 352-359
Naegleria spp., comparison of cyst ultrastructure

Cysts
Sheffield, H. G.; and Bjorvatn, B., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 23-30
Giardia lamblia, cysts, fine structure morphology

Cysts
Sheffield, H. G.; Frenkel, J. K.; and Ruiz, A., 1977, J. Parasitol., v. 63 (4), 629-641
Sarcocystis muris, mice, development of parasite, cyst wall, and parasitized muscle cells during course of infection and in correlation with potential infectivity of cyst organisms, ultrastructural study

Cysts
Sinden, R. E., 1975, J. Protozool., v. 22 (3), 56A [Abstract]
Plasmodium yoelii nigeriensis, microgametogenesis, oocyst maturation, sporozoite encystment, scanning electron microscopy

Cysts
Speer, C. A.; et al., 1976, J. Parasitol., v. 62 (6), 984-987
Isospora endocallimici, sporocyst wall during excystation, ultrastructural changes

Cysts
Speer, C. A.; and Duszynski, D. W., 1974, J. Protozool., v. 21 (3), 424 [Abstract]
relationship between sporocyst structure and process of excystation in coccidia

Cysts
Speer, C. A.; and Duszynski, D. W., 1975, J. Protozool., v. 22 (4), 476-481
Isospora serini, I. canaria, oocyst walls, fine structure; I. serini, excystation

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Cytology. [See also Morphology]

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Cytology, Protozoa
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Cytology, Protozoa
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Monocercomonas sp., oxidoreductases and hydrolases, activity, subcellular distribution, biochemical cytology very similar to the more highly evolved trichomonad Tritrichomonas foetus

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Cytology, Protozoa
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Cytology, Protozoa
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Cytology, Protozoa
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Toxoplasma gondii endozoids, fine structure, mechanism of endo- and exocytosis, fragmentation of rhoptries resulting in formation of round bodies which give rise to new rhoptries in course of formation of daughter cells

Cytology, Protozoa
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Cytology, Protozoa
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Cytology, Protozoa
Vavra, J., 1976, J. Protozool., v. 23 (4), 21A [Abstract]
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Anthemosoma garnhami, organitogenesis of merizoites

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Toxoplasma gondii, ultrastructure, cytochemistry, with special reference to apical complex and cytoplasmic organelles

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Cytology, Protozoa
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Entamoeba invadens, procedure for subcellular fractionation, isolation of phagolysosomal and plasma membranes, characterization (enzymes, lipids, morphology)

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Trypanosoma cruzi, microbodies (peroxisomes), ultrastructural localization using 3,3'-diaminobenzidine

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Czechoslovakia
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ecological analysis of helminth fauna of small mammals in different biotopes: Bulgaria; Czechoslovakia

DNA. See Nucleic acids.

Deafness. See Ear.

Definitions. See Terminology.

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Hallas, T. E.; and Bang, P., 1976, Flora og Fauna, Kobenhavn, v. 82 (1), 11-18
fleas of small mammals, seasonal incidence, discussion of host-flea relationships: eastern Denmark

Dermal tests. See Immunity, Skin tests.

Dermatitis. [See also Skin]

Dermatitis
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contagious parasitic dermatoses in small animal practice, review

Dermatitis, Arthropoda
Baker, K. P., 1977, Irish Vet. J., v. 31 (10), 141-147
fleas, human hypersensitivity, dermatitis, clinical signs, epidemiology, diagnosis, histopathology, treatment, control, review

Dermatitis, Arthropoda
Ball, D. E., 1977, Austral. Vet. Practitioner, v. 7 (3-4), 181, 226
Cheyletiella sp., dermatitis, rabbit, dogs, cats: Wollongong, N. S. W.

Dermatitis, Arthropoda
Charlesworth, E. N.; and Clegern, R. W., 1977, Arch. Dermat., Chicago, v. 113 (7), 937-938
Ornithonyssus bacoti causing pruritic dermatitis in woman (breasts, shoulders, arms), rat nests discovered in attic of woman's dwelling, clinical case report: San Antonio, Texas

Dermatitis, Arthropoda
Chattopadhyay, S. K.; et al., 1977, Indian J. Animal Sc., v. 45 (9), 1975, 709-710
psoroptic and sarcoptic mites, dermatitis in Rambouillet sheep: India

Dermatitis, Arthropoda
Cloyd, G. G.; and Moorhead, D. P., 1976, Lab. Animal Sc., v. 26 (5), 801-803
Cheyletiella parasitivorax, laboratory rabbit, facial alopecia, clinical history

Dermatitis, Arthropoda
Csiza, C. K.; and McMartin, D. N., 1976, Lab. Animal Sc., v. 26 (5), 781-787
Myobia musculi, mouse breeding colony, dermatitis characterized by intense pruritus leading to self-mutilation and death, pathogenicity varies according to sex, age, mating ratios, sensitivity and strain of mice, dichlorvos + ronnel, good results

Dermatitis, Arthropoda
Easton, E. R.; and Krantz, G. W., 1973, J. Med. Entom., v. 10 (2), 225-226
Euschoengastia n. sp. 8, recovered from several hosts, possible public health importance, habitat, seasonal variance; control on horse with application of methoxychlor solution: Oregon

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Dermatitis, Arthropoda
Fernandez, N.; Torres, A.; and Ackerman, A. B., 1977, Arch. Dermat., Chicago, v. 113 (3), 320-324
Sarcoptes scabiei, pathologic findings in papular, vesicular, nodular and Norwegian variants of human scabies

Dermatitis, Arthropoda
Goetz, H.; and Patiri, C., 1975, Med. Klin., Berlin, v. 70 (34), 1332-1339
Ixodes ricinus, various skin reactions and complications following human tick bites, clinical management

Dermatitis, Arthropoda
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bird mites from starling nest (Sturnus cineraneus) parasitizing human occupant of house to which nest attached, case report of resulting acariasis: Japan

Dermatitis, Arthropoda
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Dermanyssus gallinae, edematous-papular skin lesions in 7 women attributed to Dermanyssus, women worked in building that had recently been plastered and pigeon nests on window ledges had been destroyed: Poland

Dermatitis, Arthropoda
Mumcuoglu, Y., 1976, Praxis, Bern, v. 65 (45), 1404-1406
Cheyletiella spp., dermatitis in humans after contact with pet cats, clinical case reports: Basel, Switzerland

Dermatitis, Arthropoda
Nadchatram, M.; and Ramalingam, S., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (1), 150 [Demonstration]
Ornithonyssus bacoti causing severe dermatitis in man, evidence of rat activity in ceiling space over man's office area, 2 captured Rattus rattus diardi also infested, case report, possible medical importance of O. bacoti as disease vectors: Malaysia

Dermatitis, Arthropoda
Parlette, H. L., 1976, Arch. Dermat., Chicago, v. 112 (3), 409-410
incidence of human Sarcoptes scabiei hominis increasing, need for diagnostic awareness, clinical diagnostic methods, medical management with Kwell lotion or cream or with benzyl benzoate

Dermatitis, Arthropoda
Rosales Perez, S.; and Jimenez Brito, G., 1969, Med. Cutan., v. 4 (3), 35-38
clinical aspects of dermatitis caused by trombiculid larvae, differential diagnosis, complications, treatment with DDT and benzyl benzoate: Mexico

Dermatitis, Arthropoda
Sutherst, R. W.; and Moorhouse, D. E., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (1), 82-83
Ixodes holocyclus, larval ticks as cause of acute "scrub-itch" dermatitis with considerable portion of human population sensitized to the tick bite: southeast Queensland, Australia

Dermatitis, Nematoda
Bergeland, M. E.; Todd, K. S., jr.; and Ohlendorf, L. F., 1976, Proc. Helminth. Soc. Washington, v. 43 (2), 230-231
Pelodera strongyloides, dermatitis in sheep: northern Illinois

Dermatitis, Nematoda
Farrington, D. O.; Lundvall, R. L.; and Greve, J. H., 1976, Vet. Med. and Small Animal Clin., v. 71 (9), 1199, 1202
Pelodera strongyloides dermatitis, horse, case history, thiabendazole, good results: Iowa

Dermatitis, Nematoda
Gibson, D. W.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 74-87
Onchocerca volvulus, humans with severe onchocercal dermatitis, ultrastructure of microfilariae and host skin tissues before and after diethylcarbamazine treatment: Cameroon

Dermatitis, Nematoda
Ueno, H.; Chibana, T.; and Yamashiro, E., 1977, Vet. Parasitol., v. 3 (1), 41-48
Stephanofilaria okinawaensis, cattle, dermatitis of teats, clinical and histopathological observations, relationship to dermatitis on muzzle: Nansei Islands, Okinawa Prefecture, Japan

Dermatitis, Protozoa
Menter, M. A.; and Morrison, J. G. L., 1976, Brit. J. Dermat., v. 94 (6), 645-654
evidence that skin lesions diagnosed as lichen verrucosus et reticularis of Kaposi may be caused by less virulent form of acquired human Toxoplasma gondii, case reports: South Africa

Dermatitis, Schistosome. See Dermatitis, Trematoda.

Dermatitis, Trematoda
Krampitz, H. E.; et al., 1974, Munchen. Med. Wchnschr., v. 116 (34), 1491-1496
cercarial dermatitis in persons who had bathed together in small lake, temporary infection which healed in few days without complications, clinical report: Munchen

Dermatitis, Trematoda
Lyaruu, D. M.; et al., 1977, Trop. and Geogr. Med., v. 29 (2), 207 [Abstract]
human schistosome dermatitis, study of transmission ecology of vector snails recovered from ditches in the Netherlands

Dermatitis, Trematoda
Margono, S. S., 1968, Med. J. Malaya, v. 23 (4), 306-312
cercaria of Trichobilharzia brevis as possible cause of schistosome dermatitis affecting rice field workers

Dermatitis, Trematoda
Russell, W. V., 1972, Med. J. Australia, v. 1 (7), 327-328
probable schistosome dermatitis in persons who had waded in brackish water inlet, case reports: Northern Australia

Dermatitis, Trematoda
Suzuki, N.; et al., 1973, Nippon Noson Igakkai Zasshi (J. Japan. Ass. Rural Med.), v. 21 (5), 484-490
Trichobilharzia [sp.], cercariae shed from Austropeplea ollula implicated as cause of dermatitis in paddy field workers after similar infection experimentally proven with humans: Saitama Prefecture, Japan

Dermatitis, Trematoda
Suzuki, N.; et al., 1973, Nippon Noson Igakkai Zasshi (J. Japan. Ass. Rural Med.), v. 21 (5), 491-495
Gigantobilharzia sturniae cercariae shed from Polypylis hemisphaerula implicated as cause of dermatitis in paddy field workers after similar infection experimentally proven with humans: north-western Saitama Prefecture

Dermatitis, Trematoda
Suzuki, N.; et al., 1976, Nippon Noson Igakkai Zasshi (J. Japan. Ass. Rural Med.), v. 25 (4), 604-613
dermatitis in paddy field workers attributed to Gigantobilharzia sturniae infected Polypylis hemisphaerula and Trichobilharzia sp. infected Austropeplea ollula vector snails found in water of paddy fields: Kagoshima Prefecture

Dermatitis, Trematoda
Torres, V. M., 1976, Arch. Dermat., Chicago, v. 112 (11), 1539-1542
Schistosoma mansoni, dermatologic manifestations, clinical review, case reports

Dermatitis, Trematoda
Wood, M. G.; Srolovitz, H.; and Schetman, D., 1976, Arch. Dermat., Chicago, v. 112 (5), 690-695
mixed Schistosoma haematobium-S. mansoni infection in man resulting in dermatologic reaction and probable spinal cord involvement with paraplegia, poor response to antimony potassium tartrate therapy, case report of teacher in Africa now residing in Delaware

Desiccation. [See also Humidity; Water]

Desiccation
Bull, M.; and Smyth, M., 1973, Austral. J. Zool., v. 21 (1), 103-110
Aponomma hydrosauri, Amblyomma albolimbatum, A. limbatum, abutting allopatric distributions, water balance of nymphs and adults in relation to distribution: South Australia

Desiccation
Evans, A. A. F.; and Perry, R. N., 1976, Organ. Nematodes (Croll), 383-424
survival strategies in nematodes, review: quiescence with special reference to cryptobiosis; diapause (in unhatched larvae; in larvae outside the egg; in adult stages; induction and termination; morphological and behavioral correlates)

Desiccation
Hair, J. A.; Sauer, J. R.; and Durham, K. A., 1975, J. Med. Entom., v. 12 (1), 37-47
Amblyomma americanum, A. maculatum, Dermacentor variabilis, critical equilibrium humidity, effects of low and high humidities on rates of weight change, total water content, hemolymph volume, and humidity preference, correlation with geographical distribution and resistance to dehydration

Desiccation
Kemp, D. H.; et al., 1976, Parasitology, v. 73 (1), 123-136
Boophilus microplus on British breed cattle with different resistance levels, growth and attachment behaviour of larvae, desiccation of larvae in environment of host skin, movement to and accumulation in favored sites

Desiccation
McMullen, H. L.; Sauer, J. R.; and Burton, R. L., 1976, J. Insect Physiol., v. 22 (9), 1281-1285
Amblyomma americanum, mouth confirmed as site of water vapor absorption, movement of chloride ions traced in desiccated and rehydrated ticks, suggests possible role of salivary glands in water vapor uptake

Desiccation
Norval, R. A. I., 1977, J. Parasitol., v. 63 (4), 740-747
Amblyomma hebraeum, survival and rate of development in relation to temperature and humidity under laboratory and field conditions, longevity of unfed ticks, ecological implications of results

Desiccation
Rechav, Y.; and von Maltzahn, H. C., 1977, Ann. Entom. Soc. Am., v. 70 (5), 768-770
Boophilus decoloratus, Rhipicephalus evertsi evertsi, water loss from eggs at various temperatures and relative humidities and correlation between weight loss, hatching, and saturation deficits

Desiccation
Rondelaud, D.; and Morel-Vareille, C., [1976], Ann. Parasitol., v. 50 (5), 1975, 603-616
Fasciola hepatica-infected and uninfected Lymnaea truncatula, vertical and horizontal distribution in two dry natural habitats (drainage ditches, bovine footprints), effect of degree of development of parasites

Desiccation
Stankiewicz, M., 1969, Acta Parasitol. Polon., v. 17 (1-19), 39-46
Strongyloides papillosus larvae, sheep and rabbit strains, responses to light of various intensities, desiccation and temperature; pattern of migration from water by dense group of larvae; reaction to various chemicals; destruction by fungi; no differences between strains

Desiccation
Todd, K. S., jr.; Levine, N. D.; and Boatman, P. A., 1976, J. Parasitol., v. 62 (2), 247-249
Haemonchus contortus, survival of desiccated and undesiccated infective larvae at various constant temperatures

Desiccation
Todd, K. S., jr.; Levine, N. D.; and Wagher, B. N., 1977, J. Parasitol., v. 63 (5), 956-957
Cooperia punctata, effects of repeated desiccation and rehydration on survival of infective larvae

Desiccation
Tripathi, J. C., 1977, Indian J. Animal Sc., v. 47 (11), 739-742
Haemonchus contortus, effect of different temperatures on infective larvae in water and in faecal medium; desiccation of infective larvae in diffused light and sunlight compared

Desoxyribonucleic acid. See Nucleic acids.

Development. [See also Embryology; Growth; Life cycle]

Development
Kelly, J. D., 1974, Internat. J. Zoonoses, v. 1 (1), 1-12
phylogeny and ontogeny of man-helminth-animal relationships

Development, Acanthocephala
Anantaraman, S.; and Ravindranath, M. H., 1976, Ztschr. Parasitenk., v. 48 (3-4), 227-238
Acanthosentis sp. (identified in footnote as A. oligospinus), egg envelopes of acanthor, layers, histochemistry, permeability, phase-contrast microscopy

Development, Acanthocephala
Asaolu, S. O., 1976, Parasitology, v. 73 (2), xxviii [Abstract]
Moniliformis dubius, ovarian ball development

Development, Acanthocephala
Atkinson, K. H.; and Byram, J. E., 1976, J. Morphol., v. 148 (4), 391-426
Moniliformis dubius, morphology and development of ovarian balls, oogenesis, rat (exper.)

Development, Acanthocephala
Buckner, S. C.; and Nickol, B. B., 1975, J. Parasitol., v. 61 (6), 991-995
comparison of Moniliformis clarki and M. moniliformis reflects distinctness of species, definitive and intermediate host specificity, laboratory life cycles, failure to hybridize

Development, Acanthocephala
Crompton, D. W. T.; Arnold, S.; and Walters, D. E., 1976, Parasitology, v. 73 (1), 65-72
Moniliformis dubius, unfertilized and fertilized females, average numbers and sizes of ovarian balls during course of infection in rats

Development, Acanthocephala
Hine, P. M., 1977, J. Roy. Soc. N. Zealand, v. 7 (1), 51-57
Acanthocephalus galaxii n. sp., larval development

Development, Acanthocephala
Muzzall, P. M.; and Rabalais, F. C., 1975, Proc. Helminth. Soc. Washington, v. 42 (1), 35-38
Acanthocephalus jacksoni cystacanths, sex, position, and orientation in Lirceus lineatus, host pigmentation, sex, size, and gut content, possible sterility in host females; precocious development and marked sexual dimorphism in cystacanths: Jackson Cutoff

Development, Acanthocephala
Parshad, V. R.; and Guraya, S. S., 1977, Parasitology, v. 74 (3), 243-253
Centrorhynchus corvi, ovarian balls, morphology and histochemistry

Development, Acanthocephala
Rojanapaibul, A., 1976, Parasitology, v. 73 (2), xi [Abstract]
Acanthocephalus clavula, life cycle and development
Asellus meridianus (exper.)
bullhead (exper.)

Development, Arthropoda
Baird, C. R., 1975, Canad. J. Zool., v. 53 (12), 1788-1798
Cuterebra tenebrosa, laboratory rearing in Neotoma cinerea, egg and larval development: effect of larval photoperiod on incidence of pupal diapause (egg photoperiod had no effect), duration of larval development with evidence as to photoperiod-sensitive stage, sequence of gross morphological changes from puparium formation to eclosion, unsuccessful attempts to terminate pupal diapause via temperature or photoperiod manipulations

Development, Arthropoda
Boctor, F. N.; and Kamel, M. Y., 1977, Comp. Biochem. and Physiol., v. 56 (2B), 169-173
Dermacentor andersoni, free amino acid pools during embryogenesis and in newly hatched larvae, glutamate-pyruvate transaminase and glutamate-oxalacetate transaminase activity

Development, Arthropoda
Borut, S.; and Feldman-Muhsam, B., 1976, J. Parasitol., v. 62 (2), 318-320
Argasidae spp., Ixodidae spp., in vitro spermiogenesis

Development, Arthropoda
Branagan, D., 1973, Trop. Animal Health and Prod., v. 5 (3), 153-165
Rhipicephalus appendiculatus, survival and development of all 3 instars under quasi-natural conditions in Kenya

Development, Arthropoda
Breev, K. A.; and Baratov, Sh. B., 1970, Parazitologiia, Leningrad, v. 4 (3), 241-249
Hypoderma lineatum sinense, incidence and intensity of infection, development in relation to temperature, climatic adaptation, differentiation from typical H. lineatum, yaks: eastern Pamir

Development, Arthropoda
Casto, S. D., 1975, Am. Midland Naturalist, v. 93 (2), 495-498
Syringophiloidus minor, generation time obtained by relating age of infested quills to occurrence of adult male mites, minimum time necessary for development from egg to adult male estimated to be 39-50 days

Development, Arthropoda
Chhabra, M. B.; and Ruprah, N. S., 1976, Indian Vet. J., v. 53 (3), 180-184
Oestrus ovis larvae, sheep, goats, survey, highest incidence in sheep, pupal period and longevity of adult O. ovis dependent upon temperature and humidity: abattoir at Hissar, Haryana

Development, Arthropoda
Cunningham, J. R.; Kunz, S. E.; and Price, M. A., 1977, Ann. Entom. Soc. Am., v. 70 (1), 17-18
Neoschoengastia americana, development and longevity under laboratory and field conditions, rainfall increased time required to complete a generation

Development, Arthropoda
Drudge, J. H.; et al., 1975, Am. J. Vet. Res., v. 36 (11), 1585-1588
Gasterophilus intestinalis, G. nasalis, horses (stomach), annual and monthly incidence of occurrence of 2nd vs. 3rd instars, size of infections, implications for dynamics of infection and span of transmission: Kentucky

Development, Arthropoda
Elizarov, Iu. A.; and Sinitsina, E. E., 1976, Vestnik Moskov. Univ., s. 6, Biol., Pochvoved. (1), 63-67
Hyalomma asiaticum, morphology of palpal and Haller's organs, chemoreceptors and mechanoreceptors, changes during development from larva to imago

Development, Arthropoda
Furman, D. P., 1977, J. Parasitol., v. 63 (4), 748-755
halarachnid mites, phylogenetic implications of comparative ontogeny of leg and palpal chaetotaxy

Development, Arthropoda
Furman, D. P.; and Smith, A. W., 1973, J. Med. Entom., v. 10 (4), 415-416
Orthohalarachne diminuata, O. attenuata, in vitro development, adaptations of life cycle for endoparasitism in mammals, presence of protonymph and deutonymph stages confirmed

Development, Arthropoda
Gladney, W. J.; et al., 1973, J. Med. Entom., v. 10 (2), 123-130
Boophilus annulatus, Holstein cattle (exper.), high protein and fat diet vs. low protein and fat diet, effect on host resistance, hematocrit, and serum cholesterol values, and on tick development and numbers; host resistance primarily physiological rather than behavioral (self grooming)

Development, Arthropoda
Hoogstraal, H.; et al., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (4), 532-539
Argas robertsi, life cycle and development using domestic pigeons as experimental hosts, comparison of population samples from Taiwan, Thailand, Indonesia, Australia and Sri Lanka

Development, Arthropoda
Hopkins, D. E.; and Chamberlain, W. F., 1976, Southwest Entom., v. 1 (3), 114-117
Haematobia irritans, exposure of egg, larval, and pupal stages to manure of diflubenzuron treated cattle, inhibited development during early part of 3rd instar

Development, Arthropoda
Ioffe, I. D.; et al., 1977, Zhurnal Obsh. Biol., v. 38 (6), 885-892
Ixodes persulcatus, Dermacentor silvarum, effect of synthetic juvenile hormone analogue

Development, Arthropoda
Kamala Bai, M.; and Prasad, R. S., 1976, Ann. Trop. Med. and Parasitol., v. 70 (4), 467-472
Xenopsylla cheopis, X. astia, nutritional efficacy of blood meal, nature of blood factors of host which stimulate ovarian maturation

Development, Arthropoda
Khalil, G. M.; and Shanbaky, N. M., 1975, J. Med. Entom., v. 12 (1), 47-51
Argas arboreus, egg development and oviposition, effect of mating with homologous males or with A. persicus and of other mechanical stimulation, effect of inoculating male accessory gland material and/or testis extracts into female hemocoel

Development, Arthropoda
Kohler, H.-J., 1976, Zool. Jahrb., Jena, Abt. Anat., v. 95 (4), 448-504
Lernaeocera branchialis, egg, embryonic stages, metanauplius, copepodit I development

Development, Arthropoda
Londt, J. G. H.; and Spickett, A. M., 1976, Onderstepoort J. Vet. Research, v. 43 (3), 79-96
Boophilus decoloratus, growth of reproductive organs and gametogenesis in male and female, timing of meiosis, spermiogenesis, mating and sperm relocation in female

Development, Arthropoda
Machel, M.; and Krynski, S., 1976, Ztschr. Ang. Zool., v. 63 (3), 299-305
lice maintained in laboratory since 1918, constant conditions for 30 years, comparison with 30 years earlier: larval stage shortened, temperature range for development reduced, body weight and amount of blood taken increased

Development, Arthropoda
Miller, J. A.; et al., 1976, J. Econom. Entom., v. 69 (3), 330-332
methoprene, insect growth regulator, applied to drinking water of cattle, inhibited development of Haematobia irritans in manure

Development, Arthropoda
Neitz, W. O.; Boughton, F.; and Walters, H.S., 1972, Onderstepoort J. Vet. Research, v. 39 (2), 117-122
Rhipicephalus theileri, rabbits (exper.), successful rearing of 7 generations of ticks, wide variation in duration of developmental phases and life cycle, high rate of mortality, implications for tick survival in nature; hosts and distribution in Africa

Development, Arthropoda
Norval, R. A. I., 1977, J. Parasitol., v. 63 (4), 740-747
Amblyomma hebraeum, survival and rate of development in relation to temperature and humidity under laboratory and field conditions, longevity of unfed ticks, ecological implications of results

Development, Arthropoda
Oliver, J. H., jr.; Murphy, R. W.; and Obenchain, F. D., 1975, J. Parasitol., v. 61 (4), 782-784
Amblyomma americanum, effects of mechanical and chemical stimulation on rapid engorgement behavior and subsequent egg development in unmated females

Development, Arthropoda
Oliver, J. H., jr.; and Osburn, R. L., 1977, J. Parasitol., v. 63 (1), 176-178
Otobius megnini, O. lagophilus: timing of maturation (spermatogenesis and spermiogenesis begin several days prior to 2nd nymphal ecdysis and continue during and after ecdysis); diploid chromosome number of 20

Development, Arthropoda
Paperna, I.; and Zwerner, D. E., 1976, Canad. J. Zool., v. 54 (4), 449-462
Ergasilus labracis, distribution, seasonal abundance, host age, life cycle, developmental stages (free-living and on Morone saxatilis), laboratory studies on egg development, hatching, naupliar survival, and adult female survival; effects of temperature and salinity: lower Chesapeake Bay

Development, Arthropoda
Patrick, C. D.; and Hair, J. A., 1975, J. Med. Entom., v. 12 (3), 393-394
Dermacentor albipictus, studies in field conditions, two different habitats, March 1973-May 1974, oviposition, incubation time, comments on taxonomic status and relationship to D. nigrolineatus: eastern Oklahoma

Development, Arthropoda
Paysinger, J. T.; and Adkins, T. R., jr., 1977, J. Georgia Entom. Soc., v. 12 (3), 255-260
Haematobia irritans, cattle fed methoprene in mineral supplements, decrease of adult horn fly counts on cattle and adult emergence in fecal samples

Development, Arthropoda
Petrov, D.; and Gecheva, G., 1975, Vet. Med. Nauk., v. 12 (8), 25-32
Argas persicus, optimal temperatures for development 22-38° C, direct transformation of second stage nymphs to adults under favorable conditions, adult females laying eggs for first time have higher potential fertility than those having passed through several gonotrophic cycles, biological cycle continues throughout year in optimal conditions, adult engorges about 30 mg of blood at each feeding

Development, Arthropoda
Rietschel, G., 1975, Ztschr. Parasitenk., v. 47 (4), 283-297
Oestromyia leporina, hatching, mode of infection of Microtus arvalis, larval development, migration within host, duration of larval stages, perforation of skin; partial immunization against new infection

Development, Arthropoda
Rockett, C. L., 1975, J. Insect Physiol., v. 21 (12), 1939-1944
Ornithodorus tartakovskyi, limb regeneration and apolysis process studies by amputations at various stages; coagulation of haemolymph

Development, Arthropoda
Saratsiotis, A.; and Battelli, C., 1975, Riv. Parassitol., Roma, v. 36 (2-3), 207-214
Rhipicephalus turanicus, R. sanguineus, morphologic comparisons of larval, nymphal and adult stages

Development, Arthropoda
Sidorov, V. E., 1977, Zhurnal Obsh. Biol., v. 38 (6), 934-939
Alveonasus lahorensis, formation of substances in hemocytes leading to deposition of membrana propria and other connective membranes and to deposition of cuticle

Development, Arthropoda
Srivastava, P. S.; and Sharma, N. N., 1976, Internat. J. Radiation Biol., v. 29 (2), 159-168
Hyalomma anatolicum, effects of ^{60}Co irradiation on development; 1000 R to ticks infected with Theileria annulata failed to prevent transmission to calves

Development, Arthropoda
Sukhapesna, V.; et al., 1975, J. Med. Entom., v. 12 (3), 391-392
Gasterophilus intestinalis, temperature, embryonic development and egg hatchability; longer viability of eggs at lower temperatures

Development, Arthropoda
Uchikawa, K., 1975, Eisei Dobutsu (Japan. J. San. Zool.), v. 26 (4), 207-212
Argas japonicus, biological data, laboratory reared on chickens, development, idiosomal lengths in various stages, age composition, sex ratio, size distribution

Development, Arthropoda
Vashchenok, V. S., 1975, Entom. Obozr., v. 54 (2), 352-354
Xenopsylla cheopis, formation, structure, and pigmentation of corpora lutea, suggested that these cells fulfill a secretory function

Development, Arthropoda
Volkova, G. N., 1975, Ekologiia, Sverdlovsk (5), 100-102
Androlaelaps pavlovskii, feeding, reproduction, and development under laboratory conditions

Development, Cestoda
Andersen, K., 1971, Norwegian J. Zool., v. 19 (1), 21-36
Diphyllobothrium dendriticum, D. norvegicum, and D. latum from fish, morphological comparison after development through Mesocricetus auratus (exper.), concluded that D. norvegicum is identical with D. dendriticum

Development, Cestoda
Andersen, K., 1973, Norwegian J. Zool., v. 21 (4), 341-350
Diphyllobothrium dendriticum plerocercoids in Mesocrisetus auratus, Larus canus, and Alopex lagopus (exper. in all), frequency of primary vs. secondary strobilae in relation to host, age of worms, and density of infection compared with D. latum in M. auratus and A. lagopus and D. ditremum in M. auratus, primary strobilae appear in some individuals in response to unfavorable conditions; regeneration and/or growth studies show that rounded posterior segment in young D. dendriticum is not necessarily posterior 'end' of plerocercoid

Development, Cestoda
Belopol'skaia, M. M., 1970, Parazitologiia, Leningrad, v. 4 (3), 201-209
Wardium amphitricha, formation of strobila, degree of development of female and male gonads, possible transition to dioecism

Development, Cestoda
Beveridge, I.; and Rickard, M. D., 1976, Internat. J. Parasitol., v. 6 (1), 55-59
Taenia pisiformis in rabbits (exper.), growth and development of rostellar hooks, hook differentiation and size related to age of cysticerci, ability to resist effects of digestive enzymes in vitro, and ability to infect dogs, variability in hook sizes attributable to external influences suggests caution in use of hook lengths as taxonomic characters

Development, Cestoda
Boertje, S. B., 1976, Proc. Louisiana Acad. Sc., v. 39, 112 [Abstract]
Schistotaenia tenuicirrus, developmental stages

Development, Cestoda
Bortoletti, G.; and Ferretti, G., 1973, Riv. Parassitol., Roma, v. 34 (2), 89-110
Echinococcus granulosus, electron microscopy: cyst wall; brood capsules; protoscolex tegument; brood capsule formation; protoscolex formation; comparison with Hydatigera taeniaeformis larval forms

Development, Cestoda
Caley, J., 1976, Ztschr. Parasitenk., v. 48 (3-4), 251-262
Moniezia expansa, cysticercoids in oribatid mites, 15 and 28 weeks of development, transformation from cellular to mainly fibrous structure, scolex development, electron microscopy

Development, Cestoda
Castro, G. A.; et al., 1974, Proc. Soc. Exper. Biol. and Med., v. 146 (3), 703-706
Trichinella spiralis, Hymenolepis diminuta, rats (exper.) in which all nutrients were derived from parenteral or exocrino-enteric circulation rather than by ingesting food orally; H. diminuta failed to develop and T. spiralis showed differences from normal population size thus suggesting the importance of food in the host intestine in regulating development of tissue and lumen-dwelling parasites

Development, Cestoda
Chowdhury, N.; and De Rycke, P. H., 1976, Ztschr. Parasitenk., v. 50 (2), 151-160
Hymenolepis microstoma, cysticercoid, young adult, egg producing adult, qualitative distribution of neutral lipids and phospholipids, possible role in gonad maturation, transformation of ovum to oncosphere and permeation of ions

Development, Cestoda
Coil, W. H., 1975, Ztschr. Parasitenk., v. 48 (1), 9-14
Shipleya inermis, embryophore (inner capsule) of oncosphere, histochemistry and electron microscopy, lamina in zig-zag pattern, permeability to various substances, development

Development, Cestoda
Coman, B. J.; and Rickard, M. D., 1975, Ztschr. Parasitenk., v. 47 (4), 237-248
Taenia spp., dogs, location in intestine, size, fecundity, egg hatching within intestine; infectivity of T. pisiformis eggs to rabbits (effects of canine intestinal secretions, intestinal passage and storage in feces); repeated T. ovis egg infection of puppies having no effect on subsequent cysticercus infection

Development, Cestoda
Cornford, E. M., 1977, Iowa State J. Research, v. 52 (2), 271-276
Hymenolepis diminuta, development in rats fed parenterally compared with tapeworm development in similarly infected rats fed orally; tapeworms from orally fed animals consistently larger and of greater mass than those from parenterally fed rats; possible causes discussed

Development, Cestoda
Demshin, N. I., 1976, Zool. Zhurnal, v. 55 (1), 17-22
Sacciuterina stellifera, larval development in Lumbriculus variegatus

Development, Cestoda
Dendinger, J. E.; and Roberts, L. S., 1977, Comp. Biochem. and Physiol., v. 58 (2B), 215-219
Hymenolepis diminuta, activity of glycogen synthase as a function of development and with crowding

Development, Cestoda
Ebermann, E., 1976, Ztschr. Parasitenk., v. 50 (3), 303-312
Ctenotaenia marmotae, development of larvae and cysticercoid in oribatid mites experimentally and under field conditions: Polla valley (Carinthia)

Development, Cestoda
Esch, G. W.; and Smyth, J. D., 1976, Internat. J. Parasitol., v. 6 (2), 143-149
Taenia crassiceps, in vitro growth and development to strobilar stage, comparison with in vitro culture of Echinococcus granulosus

Development, Cestoda
Eure, H., 1976, Parasitology, v. 73 (2), 205-212
Proteocephalus ambloplitis, population biology in Micropterus salmoides, seasonal incidence of adults vs. larvae, postulated that decline in water temperature in southern latitudes and increase in water temperature in northern latitudes initiates migration of plerocercoids from parenteric to enteric sites where maturation to adult form ensues: reservoir heated by thermal effluents, ERDA Savannah River Plant near Aiken, South Carolina

Development, Cestoda
Euzet, L.; and Gabrion, C., 1976, Compt. Rend. Acad. Sc., Paris, v. 283, s. D (4), 367-370
Anomotaenia constricta, Hymenolepis stylosa, larvae, presence of morphogenetic field in scolex which stimulates graduated differentiation of tegument and associated structures from scolex to cercomer

Development, Cestoda
Euzet, L.; and Mokhtar-Maamouri, F., [1976], Ann. Parasitol., v. 50 (6), 1975, 675-690
Acanthobothrium spp., embryonic development from egg to oncosphere

Development, Cestoda
Euzet, L.; and Mokhtar-Maamouri, F., 1976, Ann. Parasitol., v. 51 (3), 309-327
Caulobothrium longicolle, Phyllobothrium gracile, embryogenesis of two species compared, phylogenic implications

Development, Cestoda
Ferretti, G.; et al., 1972, Riv. Parassitol., Roma, v. 33 (3), 183-202
Vampirolepis nana, mathematical expression of parasite growth as function of population density: development in mice infected with 8, 24, 80, or 240 eggs; development in mice of various inbred strains; development in relation to host sex and age and duration of infection; development from different pools of eggs

Development, Cestoda
Freze, V. I.; and Zenevich, I. V., 1977, Dokl. Akad. Nauk SSSR, v. 235 (4), 976-979
Diphyllobothrium ditremum, D. vogeli, exper. final hosts, effect of thyroxine on growth and sexual maturity; concluded that cestodes in hyperthyroid hosts have increased reproductive potential

Development, Cestoda
Gabrion, C., 1975, Ztschr. Parasitenk., v. 47 (4), 249-262
Anomotaenia constricta, morphology of adult and egg, morphology, migration and development of cysticercus in intermediate host

Development, Cestoda
Gabrion, C., 1977, Ann. Parasitol., v. 52 (2), 117-130
Hymenolepis stylosa, comparative larval development in 3 insects, brief description of adult and eggs

Development, Cestoda
Gonzalez, J. P.; and Mishra, G. S., 1975, Arch. Inst. Pasteur Tunis, v. 52 (4), 369-381
Taenia taeniaeformis, life cycle and developmental morphology in cats (intestin grele) experimentally infected with Cysticercus fasciolaris, cysts recovered from naturally infected Rattus norvegicus (liver), pathology in cats

Development, Cestoda
Gustafsson, M. K. S., 1976, Ztschr. Parasitenk., v. 50 (3), 313-321
Diphyllobothrium dendriticum, histogenesis of nerve tissue studied by ^{3}-H-thymidine autoradiography, germinative cells serve as stem cells for differentiation

Development, Cestoda
Gustafsson, M. K. S., 1976, Ztschr. Parasitenk., v. 50 (3), 323-329
Diphyllobothrium dendriticum adults, neck region, cytodifferentiation of highly basophilic germinative cells into glycogen-containing parenchyma cells and three types of muscle cells

Development, Cestoda
Heath, D. D.; and Lawrence, S. B., 1976, Parasitology, v. 73 (3), 417-423
Echinococcus granulosus, culture in vitro from oncosphere to immature hydatid cyst, cyst morphogenesis; safety techniques to avoid accidental infection of laboratory workers

Development, Cestoda
Heath, D. D.; and Osborn, P. J., 1976, Internat. J. Parasitol., v. 6 (6), 467-471
Echinococcus granulosus, laminated membrane of parasite not host origin, formation in defined medium, culture of protoscoleces may reduce contaminating host antigens and thus be of value in reducing non-specific reactions during immunodiagnosis

Development, Cestoda
Herd, R. P., 1977, Internat. J. Parasitol., v. 7 (2), 135-138
Echinococcus granulosus, dogs, immunization studies using arrested development and inhibition of egg production as criteria, indications that certain dogs have natural resistance which is not mediated by specific antibodies or sensitized lymphocytes to tapeworm secretory antigens

Development, Cestoda
Hulinska, D., 1975, Zool. Anz., Jena, v. 195 (3-4), 201-219
morphological and histological development of larval Multiceps endothoracicus

Development, Cestoda
Jones, A., 1975, J. Helminth., v. 49 (4), 251-261
Bothriocephalus scorpii, external feature of scolex and strobila, attachment and pathology, segmentation, morphology and sequence of development of reproductive organs, pseudoapolysis, ultrastructure of tegument, ultrastructure and histology of scolex, sense organs, littoral fishes: Wales

Development, Cestoda
Komuniecki, R.; and Roberts, L. S., 1975, J. Parasitol., v. 61 (3), 427-433
Hymenolepis diminuta, roughage and carbohydrate content of host diet for optimal parasite growth and development

Development, Cestoda
Logan, J.; Ubelaker, J. E.; and Vrijenhoek, R. C., Comp. Biochem. and Physiol., v. 57 (1B), 51-53
Hymenolepis diminuta, two isozymes of L(+) lactate dehydrogenase demonstrated by starch-gel electrophoresis, LDH patterns exhibit tissue specificity and ontogenetic changes

Development, Cestoda
Lui, A.; and Znidaric, D., 1972, Acta Parasitol. Iugoslavica, v. 3 (2), 97-103
Moniezia expansa, growth and development of strobila

Development, Cestoda
McLaughlin, J. D., 1975, Canad. J. Zool., v. 53 (12), 1892-1897
Hymenolepis hopkinsi, establishment, growth, and development in Anas platyrhynchos (caeca) (exper.)

Development, Cestoda
Mokhtar Maamouri, F.; and Swiderski, Z., 1975, Ztschr. Parasitenk., v. 47 (4), 269-281
Acanthobothrium, Onchobothrium, spermatogenesis, spermatozoon differentiation and fine structure, electron microscopy

Development, Cestoda
Mokhtar-Maamouri, F.; and Swiderski, Z., 1976, Ztschr. Parasitenk., v. 50 (3), 293-302
Echeneibothrium beauchampi, vitellogenesis, electron microscopy

Development, Cestoda
Novak, M., 1977, Internat. J. Parasitol., v. 7 (1), 47-50
Mesocestoides corti in gonadectomized mice, markedly increased number of polycephalic tetrathyridia present in 150-day-old intraperitoneal larval populations, effect most pronounced in male hosts and in both sexes inversely correlated with size of populations

Development, Cestoda
Pesson, B.; and Leger, N., 1975, Ann. Parasitol., v. 50 (4), 425-437
Hymenolepis nana var. fraterna, attempts to infect Leucophaea maderae, only a few embryos are able to pass through midgut wall, cellular and hemocytic reactions prevent further development and embryos cannot reach cysticercoid stage

Development, Cestoda
Pradatsundarasar, A., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (4), 578 [Demonstration]
Raillietina siriraji, larval development in body cavity of cockroaches (exper.)

Development, Cestoda
Reissenweber, N. J.; et al., 1975, Ztschr. Parasitenk., v. 48 (1), 25-33
Echinococcus granulosus, hydatid cysts from human lungs, scolices and brood capsules, histochemistry and histoenzymology, enzymes, lipids, glycogen, RNA, metabolic pathways, various types of cells in brood capsules

Development, Cestoda
Rickard, M. D.; and Coman, B. J., 1977, Internat. J. Parasitol., v. 7 (4), 257-267
Taenia hydatigena, T. ovis, T. pisiformis, rabbits, cross immunity, penetration of oncospheres into host intestinal epithelium, degree of development in host liver following oral infection with eggs, enhancement of T. pisiformis challenge infection following vaccination with T. ovis culture antigen

Development, Cestoda
Seidel, J. S., 1975, J. Parasitol., v. 61 (4), 677-681
Hymenolepis microstoma, axenic development in vitro from oncosphere to gravid adult, retarded growth and abnormal development in cultures containing reducing agents

Development, Cestoda
Seidel, J. S.; and Voge, M., 1975, J. Parasitol., v. 61 (5), 861-864
Hymenolepis nana, axenic development from oncosphere to infective cysticercoid, gas phase of 95 N_2-5CO_2 essential

Development, Cestoda
Slais, J.; and Machnicka, B., 1976, Zool. Anz., Jena, v. 196 (1-2), 85-92
Taenia saginata, appearance of temporary rostellum and hook anlages during early development

Development, Cestoda
Smyth, J. D., 1976, Norwegian J. Zool., v. 24 (4), 469 [Abstract]
Echinococcus granulosus, E. multilocularis, strobilar differentiation by culturing in vitro, anomalous differentiation

Development, Cestoda
Swiderski, Z., 1976, Internat. J. Parasitol., v. 6 (6), 495-504
Inermicapsifer madagascariensis, oncospheral hook morphogenesis, fine structural characteristics

Development, Cestoda
Swiderski, Z.; and Mackiewicz, J. S., 1976, Internat. J. Parasitol., v. 6 (1), 61-73
Glaridacris catostomi, vitellogenesis, electron microscope study: vitelline cell differentiation; role of nucleus, its maturation and transformation during vitelline cell cytomorphosis; nuclear and cytoplasmic glycogen synthesis and storage; origin and development of shell globules

Development, Cestoda
Swilenov, D.; Heymer, B.; and Haferkamp, O., 1976, Ztschr. Parasitenk., v. 51 (1), 25-29
Echinococcus multilocularis, Meriones unguiculatus infected with scolices, scanning electron microscopy of developing cysts

Development, Cestoda
Thompson, R. C. A., 1976, J. Helminth., v. 50 (2), 75-77
Echinococcus granulosus, developing protoscoleces on outer surface of brood capsule detected by scanning electron microscopy, complete development not attained and these protoscoleces eventually die

Development, Cestoda
Thompson, R. C. A., 1976, Ztschr. Parasitenk., v. 51 (1), 31-36
Echinococcus granulosus, secondary hydatid cysts in Meriones unguiculatus, histological study of development of brood capsules and protoscolices

Development, Cestoda
Thompson, R. C. A., 1977, Internat. J. Parasitol., v. 7 (4), 281-285
Echinococcus granulosus, comparison of British horse and sheep strains in dogs, growth, segmentation, and maturation, emphasizes existence of physiological differences between the two strains

Development, Cestoda
Varma, T. K.; and Rao, B. V., 1974, Indian Vet. J., v. 51 (1), 47-53
Taenia hydatigena, cystic and strobilar stages exposed to various doses of gamma irradiation, growth and development, preliminary immunization experiments, pups, lambs

Development, Cestoda
Vercelli-Retta, J.; et al., 1975, Ztschr. Parasitenk., v. 48 (1), 15-23
Echinococcus granulosus, hydatid cysts from human and bovine lungs, germinal membrane, histochemistry and histoenzymology, enzymes, lipids, metabolic pathways, possible endocrine system; possible future pharmacological studies for interference with parasite development

Development, Cestoda
Verster, A.; Du Plessis, T. A.; and van den Heever, L. W., 1976, Onderstepoort J. Vet. Research, v. 43 (1), 23-26
Taenia solium cysticerci, gamma radiation effects, adverse effect on ability to evaginate in vitro, inhibition of division of neck region cells to form new proglottids in infected guinea pigs; radiation as possible means to render meat fit for human consumption

Development, Cestoda
Voge, M.; et al., 1976, J. Parasitol., v. 62 (6), 951-954
Hymenolepis diminuta, growth of cysticercoids in vitro, development in presence of L-cysteine twice as rapid under 100% nitrogen as under air, no growth obtained with several other reducing agents, limited growth with ascorbic acid and dithiothreitol, homocysteine or coenzyme A as effective as L-cysteine in stimulating complete development

Development, Host
Maurand, J., 1975, Ann. Parasitol., v. 50 (4), 371-396
Microsporidia of simuliids, review including some unpublished work: taxonomy; cytochemistry; ultrastructure; pathology (influence on larval development, size, and respiration; cytopathology); ecology

Development, Miscellaneous phyla
Jones, S.; and James, D. B., 1970, Proc. Symp. Mollusca (Cochin, Jan. 12-16, 1968), pt. 3, 799-804
Stilifer sp. in Holothuria atra (cloacal chamber), description, early development: localities in the neighborhood of Manadapam

Development, Miscellaneous phyla
Matsubara, J. A.; and Dudley, P. L., 1976, J. Parasitol., v. 62 (3), 390-409
Dicyemmenea californica, preeclosional vermiform stages and infusoriform larvae, fine structure, Octopus bimaculoides

Development, Nematoda
Anisimov, A. P., 1976, Tsitologiia, v. 18 (4), 445-450
Ascaris suum, oesophageal glands, polyploidization and growth of giant nuclei during postnatal ontogenesis

Development, Nematoda
Anya, A. O., 1976, Advances Parasitol., v. 14, 267-351
physiological aspects of reproduction in nematodes, extensive review: range of reproductive phenomena; reproductive system; male and female gametes; physiology of fertilization; development; sex differentiation; nutrition and other factors in egg production; behavioural aspects of reproduction; reproductive phenomena and parasitism

Development, Nematoda
Araujo, P., 1975, Ann. Parasitol., v. 50 (2), 167-172
Ascaris suum, third-stage larvae, sexual dimorphism in genital primordium and in internal structure of tail (rectal glands)

Development, Nematoda
Bain, O.; and Chabaud, A.-G., 1975, Ann. Parasitol., v. 50 (2), 209-221
Oswaldofilaria 3 spp., morphology and development in mosquitoes

Development, Nematoda
Bain, O.; and Quentin, J. C., 1977, Ann. Parasitol., v. 52 (5), 569-575
Dipetalonema weissi, adult morphology, larval development in Ornithodoros erraticus (exper.), comparison with D. viteae

Development, Nematoda
Balasingam, E., 1965, Med. J. Malaya, v. 20 (2), 165-166
development of provisional and definitive buccal capsule in Arthrocephaloides longispiculum

Development, Nematoda
Behnke, J. M., 1977, Parasitology, v. 75 (2), xv [Abstract]
Nematospiroides dubius, inhibition of larval development in immune mice, transfer of immunity by immune serum and syngeneic mesenteric lymph node cells

Development, Nematoda
Bird, A. F., 1976, Organ. Nematodes (Croll), 107-137
skeletal structures in nematodes (copulatory spicules, cuticle, egg shell): structure, chemical composition, ontogeny, function, review

Development, Nematoda
Bogoiavlenskii, Iu. K.; and Koroleva, N. A., 1969, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 20, 21-29
Ascaridia galli, Hystrichis tricolor, comparison of micromorphology and histochemistry of hypodermal-muscular sac during pre-imaginal development

Development, Nematoda
Boisvenue, R. J.; Emmick, T. L.; and Galloway, R. B., 1977, Exper. Parasitol., v. 42 (1), 67-72
Haemonchus contortus, some compounds with juvenile hormone activity inhibited in vitro development of infective larvae, none of these compounds had anthelmintic properties against Ascaris suum or Nematospiroides dubius in mice

Development, Nematoda
Bonner, T. P.; and Buratt, M., 1976, Internat. J. Parasitol., v. 6 (4), 289-294
Nippostrongylus brasiliensis, inhibition of development and infectivity by actinomycin-D, supports hypothesis that infection is dependent upon new gene expression, i.e., transcription

Development, Nematoda
Bonner, T. P.; Evans, K.; and Kline, L., 1976, Internat. J. Parasitol., v. 6 (6), 473-477
Nippostrongylus brasiliensis, role of gene expression in regulating cuticle formation during second molt, results strongly suggest that messenger RNA specific for molting was synthesized at 90 hours

Development, Nematoda
Brockelman, C. R.; Chusatayanond, W.; and Baidikul, V., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (1), 30-37
Angiostrongylus cantonensis, development and localization within the vector snail Achatina fulica

Development, Nematoda
Cabaret, J., 1977, Rec. Med. Vet., v. 153 (6), 419-427
gastrointestinal strongyles (Trichostrongylidae, Strongylidae), inhibition of larval development (hypobiosis), weather conditions, epidemiological aspects, review

Development, Nematoda
Castro, G. A.; et al., 1974, Proc. Soc. Exper. Biol. and Med., v. 146 (3), 703-706
Trichinella spiralis, Hymenolepis diminuta, rats (exper.) in which all nutrients were derived from parenteral or exocrino-enteric circulation rather than by ingesting food orally; H. diminuta failed to develop and T. spiralis showed differences from normal population size thus suggesting the importance of food in the host intestine in regulating development of tissue and lumen-dwelling parasites

Development, Nematoda
Cawthorn, R. J.; and Anderson, R. C., 1976, Canad. J. Zool., v. 54 (3), 313-323
Physaloptera maxillaris, description of development and stages in Mephitis mephitis (exper.), attempted experimental infection of other definitive hosts produced no patent infections but worms were found in Canis familiaris and Mustela furo (Felis catus, Procyon lotor, Rattus norvegicus, Mustela vison all negative), experimental investigation of possible paratenic hosts (Rana pipiens, Thamnophis sirtalis, Mus musculus, Gallus sp.)

Development, Nematoda
Cawthorn, R. J.; and Anderson, R. C., 1976, Canad. J. Zool., v. 54 (4), 442-448
Physaloptera maxillaris larvae in Acheta pennsylvanicus, effects of temperature, age of host, and previous infection on parasite development; resulting infectivity to Mephitis mephitis

Development, Nematoda
Cawthorn, R. J.; and Anderson, R. C., 1976, Canad. J. Zool., v. 54 (4), 522-525
Physaloptera maxillaris in Mephitis mephitis, seasonal distribution of adults and third- and fourth-stage larvae, analysis of data relates various stages found to feeding behavior of skunk throughout year, third-stage larvae determined to be overwintering stage: Guelph, Ontario

Development, Nematoda
Chabaud, A.-G.; and Bain, O., 1976, Ann. Parasitol., v. 51 (3), 365-397
Dipetalonema lineage, definition and limits of the line, morphological development, hypotheses on evolution, key to genera and subgenera

Development, Nematoda
Chauhan, P. P. S.; and Pande, B. P., 1972, Indian J. Animal Sc., v. 42 (12), 1033-1038
Paracooperia nodulosa, buffalo calves, seasonal incidence of numbers and types of nodules, numbers of free worms, and numbers of juvenile worms correlated, development and description of pre-parasitic stages

Development, Nematoda
Chhabra, R. C.; and Singh, K. S., 1977, Indian J. Animal Sc., v. 47 (4), 178-184
Spirocerca lupi, third-stage juveniles, morphology, life history, effect of temperature and humidity on development, viability, and infectivity

Development, Nematoda
Chiejina, S. N.; and Mason, J. A., 1977, Vet. Rec., v. 100 (17), 360-361
Trichonema longibursatum, T. catinatum, horses, maturation of inhibited 3rd stage larvae in intestinal mucosa causing diarrhoea in spring: [Britain]

Development, Nematoda
Coadwell, W. J.; and Ward, P. F. V., 1977, Parasitology, v. 74 (2), 121-132
Haemonchus contortus, sheep (exper.), suggested that cyclic change in parasite growth pattern and arrested development is controlled by seasonal variation in concentration of substance(s) in host blood, sex of host and duration of infection had no effect on parasite length, age of host did relate to parasite length but relationship may have been an artifact

Development, Nematoda
Connan, R. M., 1977, Vet. Rec., v. 100 (20), 421-422
Ascaris suum, time required for eggs to become infective in a pig house at different times of the year, epidemiological significance

Development, Nematoda
Davey, K. G., 1976, Organ. Nematodes (Croll), 273-291
hormones in nematodes, review: neurosecretion; hormonal control of development; effect of exogenous hormones

Development, Nematoda
Durham, P. J. K.; and Elliott, D. C., 1976, Vet. Parasitol., v. 2 (2), 157-166
Ostertagia spp., sheep (exper.), development of worm populations and lesions at different larval dose-levels and at different times following infection

Development, Nematoda
Elliott, D. C.; and Durham, P. J. K., 1976, Vet. Parasitol., v. 2 (2), 167-175
Ostertagia spp., challenge infections in previously exposed sheep (exper.), greatly reduced worm numbers, rate of worm development, and pathological effects when compared to infections in previously worm-free animals

Development, Nematoda
Evans, A. A. F.; and Perry, R. N., 1976, Organ. Nematodes (Croll), 383-424
survival strategies in nematodes, review: quiescence with special reference to cryptobiosis; diapause (in unhatched larvae; in larvae outside the egg; in adult stages; induction and termination; morphological and behavioral correlates)

Development, Nematoda
Ewert, A.; and Bosworth, W., 1975, J. Parasitol., v. 61 (4), 610-614
Brugia malayi, distribution and development in cats reinfected in 1 of 3 ways (on previously infected hind limb only, on contralateral infected limb only, or on both hind limbs simultaneously)

Development, Nematoda
Fadzil, M., 1975, Kajian Vet., v. 7 (1), 1-7
Stephanofilaria kaeli microfilaria, development in Musca conducens (exper.)

Development, Nematoda
Ford, G. E., 1971, Vet. Rec. (4883), v. 89 (26), 692 [Letter]
Trichostrongylus retortaeformis sheathed third-stage larvae, rabbits, infectivity increased for at least 2 to 4 weeks after disposition of larvae-containing feces, indicates maturation requirement

Development, Nematoda
Fox, J. C., 1976, Vet. Parasitol., v. 1 (3), 209-220
Obeliscoides cuniculi, inhibited development in rabbits: effects of active and passive immunization and resumption of larval development (fewer males developed than females), data indicate that host immune responses contribute to inhibition and that worm egg production is also responsive to immunologic control

Development, Nematoda
Gallie, G. J.; and Nunns, V. J., 1976, J. Helminth., v. 50 (2), 79-89
Dictyocaulus filaria, different seasons, development and survival of free-living larvae on pasture, transmission of infection between lambs: North-East England

Development, Nematoda
Gaur, S. N. S.; and Dutt, S. C., 1975, Indian Vet. J., v. 52 (6), 474-477
mice fed with irradiated and non-irradiated Ascaris suum eggs, reduced size, motility, and longevity of resulting migrating A. suum juveniles recovered from liver and lungs

Development, Nematoda
Gerber, H. M., 1975, J. South African Vet. Ass., v. 46 (3), 273-275
percutaneous infestation of pure strains of Oesophagostomum radiatum and O. columbianum respectively in calves and lambs, fecal egg counts, worm development and recovery

Development, Nematoda
Gibson, T. E.; and Everett, G., 1976, Brit. Vet. J., v. 132 (1), 50-59
Haemonchus contortus, development and survival of free-living stages on pasture studied over period of 3 years, only in July, August, and September were climatic conditions favorable, concluded that climate in Southern England is not ideal for development and survival of preparasitic stages

Development, Nematoda
Gibson, T. E.; and Everett, G., 1976, Research Vet. Sc., v. 20 (2), 158-161
Nematodirus filicollis, development and survival of eggs placed on grass plots over a period of a year, extraordinary persistence of eggs and larvae under weather conditions of southern England makes control difficult

Development, Nematoda
Hibler, C. P.; and Metzger, C. J., 1974, J. Wildlife Dis., v. 10 (4), 361-369
Elaeophora schneideri, morphology and development of larval stages in horse flies and Odocoileus hemionus, pathogenesis in abnormal definitive hosts (Cervus canadensis, Ovis aries)

Development, Nematoda
Ho, B. C.; and Kan, S. P., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (1), 86 [Demonstration]
Breinlia sergenti, development of filarial larva in fat body of Aedes togoi vectors, evidence that fat body provides some nutrition in the development

Development, Nematoda
Ho, B.-C.; Yap, E.-H.; and Singh, M., [1975], Ann. Parasitol., v. 49 (6), 1974, 741-750
Breinlia sergenti, larval development and migration in Aedes togoi

Development, Nematoda
Hsu, C. K.; and Levine, N. D., 1977, Am. J. Vet. Research, v. 38 (8), 1115-1119
Haemonchus contortus, Trichostrongylus colubriformis, development of infective larvae under cyclic vs. constant conditions of temperature and humidity, degree-day concept appears to be applicable

Development, Nematoda
Hutchinson, G. W.; and Slocombe, J. O. D., 1976, J. Helminth., v. 50 (3), 143-152
Haemonchus contortus in rabbits (exper.), parasitological findings, developmental morphology, concluded that laboratory rabbit could be useful experimental host

Development, Nematoda
Illgen, B.; Wenk, P.; and Seitz, H. M., 1976, Ztschr. Parasitenk., v. 50 (2), 178-179
Litomosoides carinii female in vitro, embryonic development and liberation of microfilariae

Development, Nematoda
Inderbitzin, F.; and Eckert, J., 1976, Ztschr. Parasitenk., v. 50 (2), 218
Dictyocaulus viviparus, calves infected with larvae previously maintained at 4°C, induced inhibited development

Development, Nematoda
Ismailov, T., 1976, Dokl. Akad. Nauk UzSSR (9), 65-66
Parascaris equorum, effect of humidity and temperature on embryogenesis under field conditions in Uzbekistan; metamorphosis from April to October, anabiosis from November to March

Development, Nematoda
Itagaki, H.; et al., 1975, Bull. Azabu Vet. Coll. (30), 57-62
Capillaria perforans eggs, development, optimum conditions for culture

Development, Nematoda
Kan, S. P.; and Ho, B. C., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (1), 90-91 [Demonstration]
Breinlia sergenti, mode of nutrition of infective larvae developing within the individual fat cells of Aedes togoi vector mosquitoes

Development, Nematoda
Kelly, J. D.; et al., 1976, N. Zealand Vet. J., v. 24 (5), 93-94 [Letter]
larval Ancylostoma caninum, arrested development in gastro-intestinal tract of dogs, complication of treatment, diagnosis and control, significance in transmission

Development, Nematoda
Keppner, E. J., 1975, Am. Midland Naturalist, v. 93 (2), 411-423
Spinitectus micracanthus, life cycle and development in Lepomis macrochirus and Hexagenia sp., larvae compared with S. gracilis

Development, Nematoda
Kershaw, W. E.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 11-12 [Demonstration]
Litomosoides carinii, effect of host dietary fat content on growth and development of parasite and cotton rat hosts

Development, Nematoda
Kershaw, W. E.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 11-12 [Demonstration]
Litomosoides carinii, effect of protein-deficient diets on growth and development of parasites and cotton rat hosts

Development, Nematoda
Kovalenko, I. I., 1975, Veterinariia, Kiev (42), 92-94
Ascaridia galli, Heterakis gallinarum, length of development studied as basis for timing of anthelmintic treatment

Development, Nematoda
Kumagai, Y.; Kumagai, R.; and Mori, N., 1974, Nihon Univ. J. Med., v. 16 (3), 229-240
Ascaris suis, effect of Co-gamma rays on cleavage and development

Development, Nematoda
Laurence, B. R.; and Simpson, M. G., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 12 [Demonstration]
Brugia spp., autoradiography and ultrastructure of filarial larvae development and metabolism in mosquito hosts, uptake of amino and nucleic acids

Development, Nematoda
Le Jambre, L. F.; and Whitlock, J. H., 1976, Parasitology, v. 73 (2), 223-238
Haemonchus contortus cayugensis (New York State), Haemonchus contortus contortus (Ohio), vulvar phenotypes and hatch rate of eggs over a range of temperatures

Development, Nematoda
Levine, N. D.; Mansfield, M. E.; and Todd, K. S., jr., 1977, J. Parasitol., v. 63 (5), 954-956
Haemonchus contortus, effects of photoperiod during development and of storage on maturation of larvae in lambs

Development, Nematoda
Levy, R.; Murphy, L. J., jr.; and Miller, T. W., jr., 1976, Mosquito News, v. 36 (4), 498-501
Reesimermis nielseni, effects of pressure and nozzle impact of simulated aerial spray system of dissemination, no apparent loss of viability, infectivity, or development, tested against field-collected and laboratory-reared Culex pipiens quinquefasciatus larvae

Development, Nematoda
Londono M., I., 1976, J. Parasitol., v. 62 (4), 589-595
Dipetalonema viteae larvae, distribution and migration in Ornithodoros tartakowskyi, as cause of injury to and disorganization of tick muscle fibers, failure of some ticks to feed after biting may protect from fatal hyperinfection

Development, Nematoda
Lund, E. E.; and Chute, A. M., 1974, Proc. Helminth. Soc. Washington, v. 41 (1), 73-76
larval Heterakis gallinarum, reciprocal transfer between Phasianus colchicus and Coturnix coturnix japonica, influence of early development in incompatible host on subsequent development; effect on liberation of Histomonas meleagridis and Parahistomonas wenrichi and transmission of H. meleagridis

Development, Nematoda
Lyons, E. T.; Drudge, J. H.; and Tolliver, S. C., 1976, J. Parasitol., v. 62 (3), 453-459
Parascaris equorum, foals (nat. and exper.), development and location of migrating larvae at specific time intervals after infection, evaluation of possible chemotherapeutic activity of several anthelmintics against migrating and early enteric-stage larvae

Development, Nematoda
McKenna, P. B., 1973, Research Vet. Sc., v. 14 (3), 312-316
Haemonchus contortus, two morphologically and geographically distinct strains, effect of storage at 5 or 21 C for varying intervals on infectivity and parasitic development of third-stage larvae in sheep, evidence that small proportion of infective larvae may be innately 'inhibition-prone' and that effect of season on host or ageing of infective larvae or both may be contributory to changes in level of inhibition

Development, Nematoda
McLaren, D. J.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (5-6), 509-514
larval Dirofilaria immitis and Brugia pahangi, gram-negative micro-organisms within hypodermal tissue, possible adverse affect on development

Development, Nematoda
Mansfield, M. E.; Todd, K. S., jr.; and Levine, N. D., 1977, Am. J. Vet. Research, v. 38 (6), 803-806
Haemonchus contortus larvae, effects of various temperatures and storage conditions on developmental arrest in lambs (exper.)

Development, Nematoda
Mellor, P. S., 1975, J. Helminth., v. 49 (1), 33-42
Onchocerca cervicalis, migration and development of larvae in Culicoides nubeculosus and C. variipennis (both exper.)

Development, Nematoda
Michel, J. F., 1976, Advances Parasitol., v. 14, 355-397
nematode infections in grazing animals, epidemiology and control, extensive review: free-living stages (bionomics, transport); parasitic stages (population regulation, immunity, host differences, arrested development, post-parturient rise); parasitic gastro-enteritis in sheep and cattle; parasitic bronchitis in cattle

Development, Nematoda
Michel, J. F.; Lancaster, M. B.; and Hong, C., 1973, J. Comp. Path., v. 83 (3), 351-356
Ostertagia ostertagi, variation within a population with respect to inhibited development, progeny of worms whose development had been arrested had a greater propensity for interrupted development than progeny of worms whose development had not been arrested, cattle

Development, Nematoda
Michel, J. F.; Lancaster, M. B.; and Hong, C., 1974, J. Comp. Path., v. 84 (4), 539-554
Ostertagia ostertagi, Cooperia oncophora, evidence that arrested development is due to action of environmental factors, nature of environmental signals not precisely identified but not simple, changes which they induce in larvae are spontaneously reversed after a time

Development, Nematoda
Michel, J. F.; Lancaster, M. B.; and Hong, C., 1975, J. Comp. Path., v. 85 (1), 133-138
Ostertagia ostertagi, Cooperia oncophora, arrested development, effect of temperature at free-living 3rd stage, larvae stored at 4° C. compared with storage at 15° C. and with a change of temperature after 12 weeks

Development, Nematoda
Michel, J. F.; Lancaster, M. B.; and Hong, C., 1976, J. Comp. Path., v. 86 (1), 73-80
Ostertagia ostertagi, resumed development of arrested nematodes in naturally infected yearling cattle

Development, Nematoda
Michel, J. F.; Lancaster, M. B.; and Hong, C., 1976, J. Comp. Path., v. 86 (4), 615-619
Ostertagia ostertagi, development arrested by cold storage, calves infected repeatedly, rate of resumed larval development, worm burden

Development, Nematoda
Misiura, M., 1970, Acta Parasitol. Polon., v. 17 (20-38), 247-251
Echinuria uncinata, larval development in Daphnia pulex, D. magna and Heterocypris incongruens (all exper.) (hemocoel of all)

Development, Nematoda
Molnar, K.; and Fernando, C. H., 1975, J. Helminth., v. 49 (1), 19-24
Philometra cylindracea, description of male, redescription of female, developmental cycle

Development, Nematoda
Moncol, D. J., 1975, Proc. Helminth. Soc. Washington, v. 42 (2), 86-92
Strongyloides ransomi, biology and morphology of transcolostral phase in pigs

Development, Nematoda
Mozgovoi, A. A.; and Shakhmatova, V. I., 1969, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 20, 97-101
Neoascaris vitulorum, description of larval stages, life cycle, development and migration

Development, Nematoda
Mueller, N. H. G., 1976, Gac. Vet., Buenos Aires (315), v. 38, 440-449
parasitic nematodes, inhibition of larval development, possible significance in cattle and sheep production; possibility of orienting anthelmintic treatment by bioclimatograph- and photoperiod-based forecast of onset of hypobiosis, review: Argentina

Development, Nematoda
Murua, R., 1975, J. Helminth., v. 49 (4), 293-296
Nematospiroides dubius larvae, hatching time, rate of development to third stage, optimum hatching and development temperature

Development, Nematoda
Nayar, J. K.; and Sauerman, D. M., jr., 1975, J. Insect Physiol., v. 21 (12), 1965-1975
Dirofilaria immitis, susceptibility of various species of mosquitoes, patterns of microfilarial development, sites of blockage or prevention of infection, possible physiological factors (substances in salivary gland secretion, melanization of microfilariae)

Development, Nematoda
Omar, M. S., 1977, Tropenmed. u. Parasitol., v. 28 (1), 100-108
Wuchereria bancrofti, Brugia malayi, B. pahangi, Dirofilaria immitis, distribution of acid phosphatase activity in larval stages in the mosquito, presence or absence of enzymic activity in the excretory cell complex and amphids of developing larvae useful as adjunctive diagnostic method

Development, Nematoda
Orihel, T. C.; and Lowrie, R. C., jr., 1975, Am. J. Trop. Med. and Hyg., v. 24 (4), 610-615
Loa loa, entire life cycle maintained in laboratory outside endemic area using Chrysops atlanticus, potential as vectors

Development, Nematoda
Parkin, J. T., 1976, Parasitology, v. 73 (3), 343-354
Nematodirus battus, egg development and hatching, effect of variations in humidity and osmotic pressure

Development, Nematoda
Pasternak, J.; and Barrell, R., 1976, J. Exper. Zool., v. 198 (2), 217-223
Ascaris lumbricoides, patterns of nuclear DNA and protein changes during embryogenesis, microspectrophotometric analysis, comparison with free-living Panagrellus silusiae

Development, Nematoda
Pfeiffer, H., 1976, Wien. Tierarztl. Monatsschr., v. 63 (2), 54-55
Dictyocaulus viviparus, cattle, inhibition of development greater in animals experimentally infected with larvae maintained at 7° C during all or most of development than with larvae matured quickly at 25° C; dosing with anthelmintics during prepatent period may increase rate of inhibition

Development, Nematoda
Phuc, D. V.; and Varga, I., 1975, Acta Vet., Budapest, v. 25 (2-3), 231-239
Amidostomum anseris, comparison of worm development and pathology in experimentally infected chickens and ducklings with those of goslings, stored larvae from ducklings proved infective to goslings and ducklings

Development, Nematoda
Podhajecky, K.; Spaldonova, R.; and Tomasovicova, O., 1974, Biologia, Bratislava, s. B, Zool. (1), v. 29 (2), 163-166
Trichinella spiralis in mice given intravenous calcium, development in and duration of intestinal phase unaffected, moderate retardation of encapsulation process in muscle phase, small increase in worm reproductive capacity

Development, Nematoda
Premvati, G.; and Chopra, A. K., 1977, Indian J. Zoot., v. 16 (1), 1975, 1-5
Nippostrongylus brasiliensis, infective larvae exposed to various doses of ultraviolet rays, development, sex ratio of adult worms, no resistance in rats challenged with lethal dose of untreated larvae subsequent to lethal dose of irradiated larvae

Development, Nematoda
Purnomo; et al., 1976, J. Parasitol., v. 62 (6), 881-885
Timor filaria, development in Aedes togoi (exper.), comparison with Brugia malayi, findings support view that Timor filaria is member of Brugia complex

Development, Nematoda
Quentin, J. C.; and Barre, N., 1976, Ann. Parasitol., v. 51 (1), 65-81
Tetrameres cardinalis n. sp., life cycle, development

Development, Nematoda
Quentin, J. C.; Krishnasamy, M.; and Tcheprakoff, R., 1977, Ann. Parasitol., v. 52 (2), 159-170
Tarsubulura perarmata, life cycle, organogenesis and morphology of larval stages, ontogenesis of cephalic structures from third stage to adult

Development, Nematoda
Quentin, J. C.; and Seureau, C., [1975], Ann. Parasitol., v. 49 (6), 1974, 701-719
Pterygodermatites hispanica, life cycle and development in Apodemus sylvaticus (exper.) and Locusta migratoria (exper.), morphology and organogenesis of larval stages, ontogenesis of cephalic structures, migration of larvae and cellular reactions in insect host

Development, Nematoda
Quentin, J. C.; and Seureau, C., 1975, Ztschr. Parasitenk., v. 47 (1), 55-68
Seuratum cadarachense, first larval stages, organogenesis, migration and cellular reactions in Locusta migratoria (exper.) (lumiere de l'intestin moyen), imperfect adaptation of nematode to intermediate host; comparison with other nematode life cycles, speculations on evolution

Development, Nematoda
Quentin, J. C.; Seureau, C.; and Vernet, R., 1976, Ann. Parasitol., v. 51 (1), 51-64
Pterygodermatites affinis, life cycle, development, morphology, cellular reaction in insect host

Development, Nematoda
Quentin, J. C.; Troncy, P. M.; and Barre, N., 1976, Ann. Parasitol., v. 51 (1), 83-93
Aprocta cylindrica, description of adult, life cycle, growth, development, larval morphogenesis

Development, Nematoda
Rachford, F. W., 1976, Exper. Parasitol., v. 39 (3), 377-381
Angiostrongylus cantonensis, larval growth and development in Lymnaea palustris

Development, Nematoda
Ramachandran, C. P.; Sandosham, A. A.; and Sivanandam, S., 1966, Med. J. Malaya, v. 20 (4), 333
partial larval development of Wuchereria bancrofti in exper. cats

Development, Nematoda
Ramajo Martin, V.; and Simon Vicente, F., 1975, Anuario Cent. Edafol. y Biol. Aplic. C.S.I.C., v. 1, 137-163
Trichostrongylidae, sheep, development on pastures, climatic factors: Salamanca

Development, Nematoda
Rao, S. H.; and Venkataratnam, A., 1977, Indian Vet. J., v. 54 (1), 14-20
Oesophagostomum asperum, goats (large intestine), morphology and development of eggs and free living larval stages, measurements of larvae compared with O. venulosum and O. columbianum

Development, Nematoda
Rao, S. H.; and Venkataratnam, A., 1977, Indian Vet. J., v. 54 (2), 102-107
Oesophagostomum asperum in goats, life history study, detailed description of morphology and development of 4th and 5th larval stages

Development, Nematoda
Rao, Y. V. B. G.; Mehta, K.; and Subrahmanyam, D., 1977, Exper. Parasitol., v. 43 (1), 39-44
Litomosoides carinii, albino rats, effects of irradiation on development of infective larvae, immunization with irradiated infective larvae, immune response in vaccinated animals, effect of irradiation on microfilariae, effect of immunization with irradiated microfilariae

Development, Nematoda
Richey, T. J.; and Rodriguez, P. H., 1976, J. Parasitol., v. 62 (4), 655-656
Brugia pahangi in Aedes aegypti, effects of gamma radiation on development

Development, Nematoda
Rodriguez, P. H., 1975, J. Med. Entom., v. 12 (4), 447-450
Brugia pahangi, developing larvae in 3 susceptible strains of Aedes aegypti, decrease in susceptibility in high temperature stress

Development, Nematoda
Rogers, R.; Ellis, D. S.; and Denham, D. A., 1976, J. Helminth., v. 50 (4), 251-257
Brugia pahangi, intrauterine development of embryos from after fertilization to birth with particular emphasis on origin and development of sheath of microfilaria and its possible role in nutrition of developing embryo, comparison with other filarial species

Development, Nematoda
Rubin, H.; and Trelease, R. N., 1975, J. Parasitol., v. 61 (4), 577-588
Ascaris suum, developing larvae, correlation of ultrastructural changes in lipid body and glycogen patterns with certain biochemical events occurring during lipid to carbohydrate interconversion, elucidation of specific tissue sites and accompanying organelles associated with this metabolic conversion

Development, Nematoda
Rubtsov, I. A., 1966, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 17, 128-156,
ontogenesis of mermithids, illustrated description of structure of body, cuticle, amphids, longitudinal fields, stichosome, osmosome, trophosome and reproductive organs; technique of preparing material

Development, Nematoda
Sathianesan, V.; and Peter, C. T., 1976, Kerala J. Vet. Sc., v. 7 (1), 43-47
Oesophagostomum asperum, development of free living stages, measurements of 3rd stage larva compared with O. venulosum

Development, Nematoda
Schad, G. A.; et al., 1973, Science (4085), v. 180, 502-504
Ancylostoma duodenale, human, seasonal variation in egg counts and larval abundance and distribution, evidence for occurrence of arrested development as an adaptation to a seasonally unfavorable external environment: West Bengal, India

Development, Nematoda
Schulz-Key, H., 1975, Tropenmed. u. Parasitol., v. 26 (1), 60-69
Onchocerca flexuosa, development of nodules on hide of Cervus elaphus, relationship to age and sex of parasites, parasitic reproduction within nodules

Development, Nematoda
Schulz-Key, H., 1975, Tropenmed. und Parasitol., v. 26 (4), 494-498
development and localization of Filariidae in Capreolus capreolus and Dama dama of Southern Germany

Development, Nematoda
Semenova, M. K., 1975, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 25, 145-156
Contracaecum micropapillatum, detailed morphology of egg, four larval stages, juvenile and adult

Development, Nematoda
Sinclair, K. B.; and Prichard, R. K., 1975, Research Vet. Sc., v. 19 (2), 232-234
Haemonchus contortus, sheep, disophenol administered to sheep to prevent development of populations of adult worms and to study pathogenicity of arrested 4th-stage larvae which remained, concluded that they may cause damage to abomasal mucosa

Development, Nematoda
Singh, M.; et al., 1976, J. Helminth., v. 50 (2), 103-110
Breinlia booliati, course of development in Rattus sabanus and in laboratory albino rat (both exper.), measurements of developing stages

Development, Nematoda
Sivanandam, S.; and Mak, J. W., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (3), 449-451 [Demonstration]
Brugia malayi, early embryonic forms of subperiodic infection seen in peripheral blood of jirds (exper.), possible abnormal host-parasite reaction

Development, Nematoda
Smales, L. R., 1977, Internat. J. Parasitol., v. 7 (6), 449-456
Labiostrongylus eugenii, life history: embryogenesis, larval development within egg, hatching process, second and third stage larval morphology and development, optimal temperatures

Development, Nematoda
Smales, L. R., 1977, Internat. J. Parasitol., v. 7 (6), 457-461
Labiostrongylus eugenii, life history: morphology and development of parasitic stages; failure to establish experimental infections in Macropus eugenii

Development, Nematoda
Small, A. J.; and Kendall, S. B., 1977, Parasitology, v. 75 (2), x [Abstract]
Oesophagostomum quadrispinulatum, rate of development in pigs, resistance of pigs to re-infection

Development, Nematoda
Smith, H. J., 1976, Canad. J. Comp. Med., v. 40 (3), 320-321
mixed Ostertagia ostertagi and Cooperia oncophora larvae in experimentally infected calves, no significant maturation requirement obtained, maximum infectivity possibly related to incubation temperature

Development, Nematoda
Sommerville, R. I., 1976, J. Parasitol., v. 62 (2), 242-246
Haemonchus contortus, development and ecdysis in vitro, effects of changes in both ionic composition and osmotic pressure, potassium as necessary component of salt solution

Development, Nematoda
Sommerville, R. I., 1977, J. Parasitol., v. 63 (2), 344-347
Haemonchus contortus, development in vitro, effect of rumen fluid and of a succession of media which incorporated changes in pH, pCO_2, and pO_2 likely to be encountered in transition from rumen to abomasum

Development, Nematoda
Sommerville, R. I.; and Davey, K. G., 1976, Internat. J. Parasitol., v. 6 (5), 433-439
Anisakis sp. larva, cuticle formation and ecdysis in vitro, development restarted by physico-chemical stimuli (effect of different media, carbon dioxide, storage, temperature), feeding does not occur until after moulting

Development, Nematoda
Stevenson, P., 1977, Vet. Rec., v. 100 (23), 500 [Letter]
Ascaris suum eggs, development during summer months, possible importance in control

Development, Nematoda
Stewart, T. B.; et al., 1977, Am. J. Vet. Research, v. 38 (12), 2081-2083
Stephanurus dentatus, sows, levamisole HCl, subcutaneously and in corn meal feed, effect on hatchability and development of eggs and survival and development of ensuing larvae to 3rd stage

Development, Nematoda
Stretton, A. O. W., 1976, J. Exper. Biol., London, v. 64 (3), 773-788
Ascaris lumbricoides, anatomy of muscle cells and their neuromuscular contacts, development of musculature from larval to adult forms, brief comparison with Oxyuris equi

Development, Nematoda
Suenaga, O., 1972, Nettai Igaku (Trop. Med.), v. 14 (1), 32-40
development of Dirofilaria immitis larvae in potential mosquito vectors, effects of temperature and season

Development, Nematoda
Suenaga, O., 1973, Nettai Igaku (Trop. Med.), v. 15 (2), 84-91
Dirofilaria immitis, laboratory trials, development in local mosquitoes; high experimental infection rate in Anopheles sinensis, low in Aedes vexans nipponii: Nagasaki City

Development, Nematoda
Sultanov, M. A.; Azimov, D. A.; and Ubaidullaev, Ia. U., 1975, Uzbek. Biol. Zhurnal (6), 39-42
Muellerius capillaris, development in molluscs as first and second intermediate hosts, sheep and goats as final hosts

Development, Nematoda
Svarc, R., 1977, Biologia, Bratislava, v. 32 (8), s. B, Zool. (3), v. 32 (8), 575-584
Cystocaulus ocreatus, penetration of first stage larvae into snails, localization, morphological changes during maturation, moulting

Development, Nematoda
Svarc, R.; and Zmoray, I., 1974, Biologia, Bratislava, s. B, Zool. (1), v. 29 (2), 121-127
Muellerius tenuispiculatus larvae, penetration into and development in soles of feet of Cepaea vindobonensis and Succinea putris, localization near sole glands, acid mucopolysaccharides and phospholipids in this site probably have role in larval nutrition

Development, Nematoda
Terwedow, H. A., jr.; and Craig, G. B., jr., 1977, Exper. Parasitol., v. 41 (2), 272-282
Waltonella flexicauda, development controlled by genetic factor in Aedes aegypti, this factor for susceptibility did not control development of Brugia pahangi or Dirofilaria immitis

Development, Nematoda
Timonov, E. V., 1970, Parazitologiia, Leningrad, v. 4 (3), 237-240
Trichinella, morphogenesis, luminescent microscopy with acridine orange and rhodamine C

Development, Nematoda
Tomanek, J., 1974, Acta Vet. Brno, v. 43 (1), 47-52
guinea-pigs orally infected with irradiated and non-irradiated Dictyocaulus filaria larvae, development of resulting larvae recovered from lungs; decreased larval counts with increased X-ray exposure, greater survival of female worms, implications for use in immunization

Development, Nematoda
Tomasovicova, O.; and Spaldonova, R., 1974, Biologia, Bratislava, s. B, Zool. (1), v. 29 (2), 159-162
Trichinella spiralis, intestinal phase in mice having experimental diabetes, longer worms than in normal mice but development not affected

Development, Nematoda
Triantaphyllou, A. C.; and Moncol., D. J., 1977, J. Parasitol., v. 63 (6), 961-973
Strongyloides ransomi, S. papillosus, chromosomal complement, gametogenesis, mode of reproduction, sex determination, hybridization tests

Development, Nematoda
Van Geldorp, P. J. A.; and Schillhorn van Veen, T. W., 1976, Vet. Parasitol., v. 1 (3), 265-269
periparturient rise in faecal helminth egg counts of Udah sheep, suggested that increase was due to helminths (mainly Haemonchus sp.) which had been inhibited during dry season and resumed development at beginning of rainy season, rapid decline in egg counts 5-6 weeks after lambing considered to be due to self cure associated with high rainfall: Zaria area of Nigeria

Development, Nematoda
Varughese, G., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (1), 78-95
Cyclodontostomum purvisi, life cycle and developmental anatomy of free-living and parasitic stages

Development, Nematoda
Vincent, A. L.; Frommes, S. P.; and Ash, L. R., 1976, Exper. Parasitol., v. 40 (3), 330-354
Brugia, 3 spp. in Meriones unguiculatus, pulmonary pathology, results suggest that localization in pulmonary arteries should not be considered an aberrant mode of development

Development, Nematoda
Wade, J. O., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 19 [Demonstration]
effect of heparin and crystamycin in blood food of membrane feeding units on survival and fecundity of vector Aedes aegypti and on migration and development of Brugia pahangi microfilariae

Development, Nematoda
Wright, K. A., 1976, J. Nematol., v. 8 (1), 92-93
Capillaria hepatica, somatic centrioles, morphology, rare occurrence, incomplete structure, relation to eutely

Development, Nematoda
Zahner, H.; et al., 1976, Ztschr. Parasitenk., v. 49 (1), 41-61
Capillaria hepatica in Mastomys natalensis (liver) (exper.), development, prepatency, egg production (duration and dynamics dependent upon infective dose), necroses of liver as related to infection rate, liver and spleen weight increases

Development, Nematoda
Zaman, V., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (4), 462-465
Breinlia sergenti, electron microscopic observations on development within the fat body of Armigeres subalbatus (exper.)

Development, Nematoda
Zaman, V.; and Lim, E. P. C., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (4), 579-580
Breinlia sergenti larvae unable to complete development in Armigeres subalbatus vector mosquitoes that had been treated with levamisole

Development, Nematoda
Zielke, E., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (6), 546-547
Onchocerca volvulus, attempted development of larvae in mosquito hosts for purposes of laboratory study; Aedes aegytpi selected Liverpool strain supported development with third-stage larvae found in the mosquito abdomen and, in one instance, in the head

Development, Nematoda
Zuckerman, B. M., 1976, Organ. Nematodes (Croll), 211-241
free-living nematodes as models for aging studies, may have implications for parasitology

Development, Protozoa
Adam, K. M. G.; and Dipeolu, O. O., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 293 [Abstract]
Trypanosom[a] brucei, T. congolense, cyclical development, comparison of strains

Development, Protozoa
Ahmed, F. E.; and Mohammed, A. H. H., 1977, J. Protozool., v. 24 (3), 389-393
Haemoproteus columbae, schizogony

Development, Protozoa
Albaret, J.-L., 1973, J. Protozool., v. 20 (2), 217
Plagiotoma lumbrici, somatic ciliature, morphogenesis

Development, Protozoa
Angluster, J.; Bunn, M. M.; and de Souza, W., 1977, J. Parasitol., v. 63 (5), 922-924
Herpetomonas samuelpessoai grown in defined medium, differentiation, influence of 2-deoxy-D-glucose, temperature, and time of cultivation

Development, Protozoa
Antukhaev, I. K., 1977, Tsitologiia, v. 19 (3), 288-292
Eimeria kotlani, ultrastructure of macrogamete; development within host cell nucleus; structure of wall forming bodies; nutrition presumably by pinocytosis

Development, Protozoa
Ardehali, S., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 266-267 [Demonstration]
Leishmania enriettii, L. tropica major, culture forms, possible species differentiation by enumeration of free moving promastigotes growing in presence of rabbit antisera, trials with homologous and heterologous antisera

Development, Protozoa
Ashford, R. W., 1977, Ann. Trop. Med. and Parasitol., v. 71 (1), 29-34
Sarcocystis tenella, Vulpes vulpes as final host of sheep Sarcocystis, life cycle, description, developmental stages

Development, Protozoa
Baerg, D. C.; and Rossan, R. N., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (2), 167-168
Plasmodium vivax, development of exoerythrocytic stage in Saguinus geoffroyi (exper.)

Development, Protozoa
Barry, J. D.; and Vickerman, K., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 271-272 [Abstract]
Trypanosoma brucei in vitro, changes in surface antigens of clone populations during transformation from bloodstream to procyclic stage

Development, Protozoa
Basson, P. A.; McCully, R. M.; and Bigalke, R. D., 1970, Onderstepoort J. Vet. Research, v. 37 (2), 105-126
Besnoitia besnoiti, development and pathology of bovine strains in cattle (exper.) and of bovine and antelope strains in rabbits (exper.), macroscopic and microscopic lesions, chronic and acute infections

Development, Protozoa
Bertelli, M. S. M.; Golgher, R. R.; and Brener, Z., 1977, J. Parasitol., v. 63 (3), 434-437
Trypanosoma cruzi, 8 strains, intraspecific variation in effect of temperature on intracellular amastigote-trypomastigote differentiation in tissue culture

Development, Protozoa
Bhattacharyulu, Y.; Chaudhri, R. P.; and Gill, B. S., 1975, Ann. Parasitol., v. 50 (4), 397-408
Theileria annulata, endogenous development in Hyalomma anatolicum anatolicum larvae, nymphs, and adults

Development, Protozoa
Boehringer, S.; and Hecker, H., 1974, J. Protozool., v. 21 (5), 694-698
Trypanosoma brucei brucei, T. b. rhodesiense, pleomorphic strains, quantitative differences in organelle composition during transformation from slender to stumpy blood forms, compared with monomorphic T. b. brucei

Development, Protozoa
Boonpucknavig, S.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 410-415
Plasmodium berghei berghei, chronological development in tissue of infected mice described by means of immunofluorescent and histological study, change in morphological appearance of immunofluorescent-stained parasites from early to late stage of infection

Development, Protozoa
Bouix, G.; et al., 1976, J. Protozool., v. 23 (4), 5A [Abstract]
Glugea habrodesmi, development, ultrastructure

Development, Protozoa
Box, E. M., 1973, J. Protozool., v. 20 (4), 510
comparative development of Atoxoplasma and Isospora species in canaries

Development, Protozoa
Brener, Z.; et al., 1976, J. Protozool., v. 23 (1), 147-150
Trypanosoma cruzi in cell culture, strain-dependent thermosensitivity influencing amastigote-to-trypomastigote differentiation, may result from mutational adaptation

Development, Protozoa
Brun, R.; Berens, R. L.; and Krassner, S. M., 1976, Nature, London (5570), v. 262, 689-691
Leishmania donovani, transformation from amastigote to promastigote stage, inhibition by host hamster spleen homogenates and by soluble factor(s) synthesized by activated human lymphocytes

Development, Protozoa
Brun, R.; and Krassner, S. M., 1976, J. Protozool., v. 23 (4), 493-497
Leishmania donovani mitochondrion, ultrastructure during transformation from amastigote to promastigote studied by morphometric analysis

Development, Protozoa
Buengener, W., 1974, Tropenmed. u. Parasitol., v. 25 (4), 464-468
Plasmodium vinckei, rats, allopurinol treatment, influence on length of asexual cycle and multiplication rate of parasites

Development, Protozoa
Carter, R.; and Nijhout, M. M., 1977, Science (4276), v. 195, 407-409
Plasmodium gallinaceum, control of gamete formation (exflagellation) in vitro solely by change in pH in blood as it moves from environment of circulation to that of atmosphere, the pH rise being mediated by fall in carbon dioxide tension as blood equilibrates with atmosphere

Development, Protozoa
Cerna, Z., 1974, J. Protozool., v. 21 (4), 481-482
Isospora lacazei oocysts, anomalous sporulation, resemblance to Caryospora

Development, Protozoa
Chatton, E.; and Soyer, M.-O., 1973, Ann. Sc. Nat., Zool. et Biol. Animale, 12. s., v. 15 (1), 27-60 [Posthumous article of Chatton, 1883-1947]
Paradinium poucheti, external cycle; P. caulleryi n. sp., P. mesnili n. sp., internal cycle, morphological development, systematic study shows probable relationship to mycetozoarians

Development, Protozoa
Chauhan, P. P. S.; et al., 1977, Indian J. Exper. Biol., v. 15 (6), 492-494
Sarcocystis fusiformis cysts obtained from buffaloes, gametogonic development in dogs (exper.)

Development, Protozoa
Chobotar, B.; et al., 1975, Ztschr. Parasitenk., v. 48 (2), 111-121
Eimeria ferrisi, macrogamonts and macrogametes in epithelial cells of Mus musculus cecum and colon, ultrastructure, development, oocyst wall formation

Development, Protozoa
Christow, C. P., 1977, Wien. Tierarztl. Monatsschr., v. 64 (6-7), 193-196
Trichomonas foetus, in vitro, naphthochinones (vitamin K) retard development and multiplication

Development, Protozoa
Colley, F. C.; and Zaman, V., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 465-480
Toxoplasma gondii, electron microscopic study of endogenous stages

Development, Protozoa
Collins, W. E.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (3), 372-375
Plasmodium vivax different strains, differential development in Anopheles maculatus and A. freeborni, differences in ability of A. freeborni to convert gut infections to salivary gland infections could have marked effect on transmission potential with this parasite-vector system, implications for introduction of malaria from Vietnam or Central America to United States

Development, Protozoa
Cover, B.; Gutteridge, W. E.; and Wharton, F. P., 1977, Parasitology, v. 75 (2), xxx-xxxi [Abstract]
Trypanosoma cruzi, course of infection and distribution in irradiated rats

Development, Protozoa
Dalgliesh, R. J.; and Stewart, N. P., 1976, Austral. Vet. J., v. 52 (11), 543 [Letter]
Babesia bovis, development of infective forms in unfed Boophilus microplus larvae, various temperature conditions, possible use for vaccine

Development, Protozoa
Danforth, H. D., 1975, J. Protozool., v. 22 (3), 11A [Abstract]
Eimeria magna, fine structure of in vivo and in vitro asexual stages

Development, Protozoa
Davies, A. J.; and Johnston, M. R. L., 1976, J. Protozool., v. 23 (2), 315-320
Haemogregarina bigemina in Blennius pholis, incidence in relation to length of host, structure and development, no evidence for leech Oceanobdella blennii as vector, circumstantial evidence for Gnathia maxillaris as vector: Wales

Development, Protozoa
Davies, E. E., 1974, Ann. Trop. Med. and Parasitol., v. 68 (3), 283-290
Plasmodium berghei nigeriensis, early ookinete stage and its transformation into oocyst, ultrastructural studies

Development, Protozoa
Desportes, I., 1975, Ann. Sc. Nat., Zool. et Biol. Animale, 12. s., v. 17 (2), 215-228
Stylocephalus longicollis, scanning electron microscope study of different stages of life cycle

Development, Protozoa
Desser, S. S.; and Ryckman, A. K., 1976, Canad. J. Zool., v. 54 (5), 634-643
Leucocytozoon simondi, development in captive Branta canadensis maxima, B. c. interior, and Anser domesticus exposed to natural infection on shores of Lake Sasajewan, Algonquin Park, Ontario, some anemia but no other pathology, no megaloschizonts or elongate gametocytes seen, identity confirmed by experimental infections of goslings and ducklings with gosling-derived sporozoites

Development, Protozoa
Dominiczak, K., 1975, Patol. Polska, v. 26 (2), 217-226
Klossiella muris in mice, K. cobaye in guinea pigs, morphology and development, little pathology observed

Development, Protozoa
Doran, D. J., 1974, Proc. Helminth. Soc. Washington, v. 41 (2), 169-173
Eimeria tenella, production of first- and second-generation merozoites in primary cultures of chicken kidney cells, attempts to obtain development in cell culture using merozoites of the first and second generations

Development, Protozoa
Doran, D. J.; and Augustine, P. C., 1973, J. Protozool., v. 20 (5), 658-661
Eimeria tenella, comparative development from sporozoites to oocysts in primary kidney cell cultures from chickens vs. guinea fowl, partridges, pheasants, quail, and turkeys

Development, Protozoa
Doran, D. J.; and Augustine, P. C., 1976, Proc. Helminth. Soc. Washington, v. 43 (2), 126-128
Eimeria tenella, comparative oocyst production, primary cultures of chicken kidney cells, 15 media systems

Development, Protozoa
Doran, D. J.; and Augustine, P. C., 1977, J. Protozool., v. 24 (1), 172-176
Eimeria dispersa and E. gallopavonis in primary chicken and turkey kidney cell cultures, infectivity, survival, development

Development, Protozoa
Dubey, J. P.; and Frenkel, J. K., 1976, J. Protozool., v. 23 (4), 537-546
Toxoplasma gondii, course of infection in cats following ingestion of tachyzoites and acutely infected mice, development of populations of tachyzoites into bradyzoites in mice as correlated with biological studies of infectivity for cats and mice, proposed that length of prepatent period in cats is determined by presence or absence of bradyzoites in an ingested specimen

Development, Protozoa
Dubremetz, J. F., 1975, J. Protozool., v. 22 (1), 71-84
Eimeria necatrix, second generation schizonts, differentiation of daughter merozoites

Development, Protozoa
Duszynski, D. W.; and Conder, G. A., 1977, Internat. J. Parasitol., v. 7 (1), 83-88
Eimeria nieschulzi oocyst sporulation, influence of external factors and self-regulating mechanisms

Development, Protozoa
Elce, B. J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 162 [Abstract]
Trypanosoma congolense, T. brucei, T. rhodesiense, development in Glossina morsitans and small laboratory mammals

Development, Protozoa
Ellis, D. S.; and Evans, D. A., 1977, Nature (5614), v. 267, 834-835
Trypanosoma brucei rhodesiense, passage through peritrophic membrane of Glossina morsitans morsitans

Development, Protozoa
Ernst, J. V.; and Courtney, C. H., 1977, Proc. Helminth. Soc. Washington, v. 44 (1), 97-98
Eimeria subspherica, calves (exper.), prepatent and patent periods, redescription of sporulated oocyst

Development, Protozoa
Fallis, A. M.; Bisset, S. A.; and Allison, F. R., 1976, N. Zealand J. Zool., v. 3 (1), 11-16
development of Leucocytozoon tawaki n. sp. in blackfly vectors (Austrosimulium australense, A. dumbletoni, A. ungulatum)

Development, Protozoa
Fayer, R., 1972, Science (4017), v. 175, 65-67
Sarcocystis sp., development of gametocytes, gametes, and cyst-like bodies in cell culture

Development, Protozoa
Fayer, R.; and Johnson, A. J., 1974, Proc. Helminth. Soc. Washington, v. 41 (1), 105-108
Sarcocystis fusiformis, calves infected with sporocysts from dogs, development of cysts

Development, Protozoa
Ferguson, D. J. P.; et al., 1977, Acta Path. et Microbiol. Scand., v. 85B (1), 67-77
Eimeria brunetti, ultrastructural changes occurring during microgametogony, ultrastructure of microgamete

Development, Protozoa
Ferguson, D. J. P.; et al., 1977, Acta Path. et Microbiol. Scand., v. 85B (1), 78-88
Eimeria brunetti, ultrastructural changes occurring during macrogametogony, ultrastructure of macrogamete

Development, Protozoa
Ferguson, D. J. P.; et al., 1977, Acta Path. et Microbiol. Scand., v. 85B (1), 110-112
Eimeria brunetti, ultrastructure of late sporoblast, initiation of sporozoite formation

Development, Protozoa
Ferguson, D. J. P.; et al., 1977, Acta Path. et Microbiol. Scand., v. 85B (6), 363-373
Eimeria brunetti, micropores, ultrastructure, distribution, and apparent functional status in various developmental forms

Development, Protozoa
Ferguson, D. J. P.; Hutchison, W. M.; and Siim, J. C., 1975, J. Protozool., v. 22 (3), 51A [Abstract]
Toxoplasma gondii, development of macrogamete and oocyst, ultrastructural study

Development, Protozoa
Fernando, M. A.; and Dissanaike, A. S., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (1), 25-32
Plasmodium gallinaceum and P. juxtanucleare, developmental and morphologic comparisons, pleomorphism of gametocytes and erythrocytic schizonts of P. gallinaceum

Development, Protozoa
Friedhoff, K. T.; and Weber, G., 1973, Isotopes and Radiation Parasitol. III, 165-168
Babesia spp., identification and characterization of certain developmental stages, review

Development, Protozoa
Gallucci, B. B., 1974, J. Protozool., v. 21 (2), 264-275
Haemoproteus columbae, differentiating ookinete, fine structure, presence of conoid reported for first time in Haemosporina

Development, Protozoa
Golenser, J.; et al., 1977, Trop. and Geogr. Med., v. 29 (2), 204-205 [Abstract]
Plasmodium berghei-infected rats (exper.), estimation of density of exo-erythrocytic (EEF) forms at different stages of infection and comparison with normal controls indicates that blood stage interferes with the development of EEF in liver parenchymal cells of infected animals

Development, Protozoa
Hadani, A.; Kauffman, B.; and Barnett, S. F., 1975, J. Protozool., v. 22 (3), 71A [Abstract]
Nuttallia danii, development in salivary glands of Hyalomma excavatum

Development, Protozoa
Harmsen, R., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 364-373
Trypanosoma brucei, low survival rate in Glossina pallidipes interpreted as in part result of establishment barrier which is less active in young vs. older flies, peritrophic membrane appears unlikely to be establishment barrier, postulated adjustment period for trypanosomes in flies supported by evidence on temperature sensitivity of parasite enzymes

Development, Protozoa
Haston, W. S., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 146 [Abstract]
Trypanosoma brucei, gradient diver technique used to measure oxygen uptake of culture forms for the purpose of studying metabolism of developmental stages

Development, Protozoa
Heller, G., 1972, Protistologica, v. 8 (1), 43-51
Eimeria stiedae, structure and formation of conoid, rhoptries, and micronemes

Development, Protozoa
Heller, G.; and Weise, R. W., 1973, J. Protozool., v. 20 (1), 61-64
Gregarina sp. from Udeopsylla nigra, scanning electron microscopy, patterns of epicytic folds in old vs. young gamonts, relationship to motility and development

Development, Protozoa
Hendricks, L. D., 1975, J. Parasitol., v. 61 (3), 458-461
Hepatozoon griseisciuri, schizogonic development in the gray squirrel, distribution and concentration of stages throughout host reticuloendothelial system, wide divergence in number of merozoites, comparison of in vivo and in vitro forms

Development, Protozoa
Hendricks, L. D.; and Fayer, R., 1973, J. Protozool., v. 20 (5), 550-554
Hepatozoon griseisciuri, development in cultured squirrel cells

Development, Protozoa
Heydorn, A.-O.; and Gestrich, R., 1976, Berl. u. Munchen. Tierarztl. Wchnschr., v. 89 (1), 1-5
Sarcocystis ovicanis, developmental stages in lambs, lamb muscles infectious for experimental dogs

Development, Protozoa
Heydorn, A.-O.; Gestrich, R.; and Ipczynski, V., 1975, Berl. u. Munchen. Tierarztl. Wchnschr., v. 88 (23), 449-453
small race of Isospora bigemina, life cycle, developmental stages, intestine of dog

Development, Protozoa
Hildebrand, H. F.; and Vinckier, D., 1975, J. Protozool., v. 22 (2), 200-213
Didymophyes gigantea, morphology during syzygy and growth and development of trophozoite, locomotion

Development, Protozoa
Hommel, M., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 3 [Demonstration]
Trypanosoma evotomys kudickei, developmental behavior of trypanosomes in culture

Development, Protozoa
Hommel, M.; Peters, W.; and Chance, M. L., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 9-10 [Demonstration]
Leishmania braziliensis braziliensis, growth and development in immunosuppressed hamsters and nude mice, pathology

Development, Protozoa
Howells, R. E.; and Chiari, C. A., 1975, Ann. Trop. Med. and Parasitol., v. 69 (4), 435-448
Trypanosoma cruzi, 2 strains, investigation of differences between slender and stout trypomastigotes, infectivity of different forms to mice, relationship between inoculum size, length of pre-patent period, and course of parasitemia, influence of whole-body X-irradiation and splenectomy of host on course of infection

Development, Protozoa
Howells, R. E.; and Davies, E. E., 1971, Ann. Trop. Med. and Parasitol., v. 65 (4), 451-459
Plasmodium berghei oocysts, sequence of post-meiotic nuclear divisions, nuclear changes may be incorporated into general pattern of oocyst differentiation or cytokinesis

Development, Protozoa
Hsu, K. Y., 1971, Nettai Igaku (Trop. Med.), v. 13 (2), 73-85
Toxoplasma gondii cultures using HeLa cells as host cell line, development in the presence of enzymes, on pretreatment with sulfisoxazole or sulfathiazole, or on addition of infected human serum to culture

Development, Protozoa
Janovy, J., jr.; et al., 1975, Proc. Oklahoma Acad. Sc., v. 55, 130-135
Herpetomonas megaseliae, cytodifferentiation in culture, changes in population composition (promastigotes, paramastigotes, opisthomastigotes), physiological changes (organisms became increasingly cyanide-sensitive, anaerobic stimulation of glucose uptake was doubled, and anaerobic acid production was halved as makeup of culture population shifted), differentiation was postulated to involve metabolic shift from anaerobic to aerobic metabolism

Development, Protozoa
Janovy, J., jr.; Lee, K. W.; and Brumbaugh, J. A., 1974, J. Protozool., v. 21 (1), 53-59
Herpetomonas megaseliae, ultrastructure of both undifferentiated (promastigote and paramastigote) and differentiated (opisthomastigote) forms

Development, Protozoa
Jeffers, T. K., 1975, J. Parasitol., v. 61 (6), 1083-1090
Eimeria tenella, attempt to genetically alter developmental rate in order to elucidate mechanisms controlling length of prepatent period, selection for precociousness was accompanied by attenuation, lack of pathogenicity apparently due to defective second-generation schizogony

Development, Protozoa
Jeffers, T. K., 1976, Ztschr. Parasitenk., v. 50 (3), 251-255
Eimeria tenella, decoquinate-sensitive, precocious strain crossed with decoquinate-resistant, normally developing strain, genetic recombination

Development, Protozoa
Jordan, H. B., 1975, J. Protozool., v. 22 (2), 241-244
Plasmodium floridense, differential course of infection in Anolis carolinensis vs. Sceloporus undulatus, duration and intensity of parasitemia, % frequency of merozoite means during periods of acute rise and decline, natural and acquired immunity

Development, Protozoa
Jung, A.; et al., 1975, Tropenmed. u. Parasitol., v. 26 (1), 27-34
Plasmodium vinckei, DNA, RNA, and lipid synthesis, specific activity of glucose-6-phosphate dehydrogenase and glucose-6-phosphatase in parasite developmental stages

Development, Protozoa
Khan, R. A., 1975, J. Parasitol., v. 61 (3), 449-457
Leucocytozoon ziemanni, development in simuliid vectors and in saw-whet owls, gametogony and sporogony, schizogony, sequential appearance of hepatic and megaloschizonts and associated round and fusiform gametocytes

Development, Protozoa
Knight, S. A., 1976, J. Parasitol., v. 62 (4), 515-522
Herpetomonas megaseliae, cultures grown with hydroxyurea (inhibitor of DNA synthesis), differences in population number, kinetoplast number and position, and pellicular morphology, net effects of hydroxyurea are enhanced differentiation and abortive cytokinesis

Development, Protozoa
Krampitz, H. E.; et al., 1976, Ztschr. Parasitenk., v. 51 (1), 7-14
Frenkelia clethrionomyobuteonis, asexual development in bank vole, Clethrionomys glareolus

Development, Protozoa
Kreier, J. P.; et al., 1975, Tropenmed. u. Parasitol., v. 26 (1), 9-18
Babesia rodhaini, B. microti, electron microscopy, relationship of stage of development to structure of intra- and extracellular parasites

Development, Protozoa
Kreier, J. P.; et al., 1976, Ohio J. Sc., v. 76 (6), 243-253
Trypanosoma cruzi in cell cultures, entry, development, release and ultrastructure

Development, Protozoa
Kurtti, T. J.; and Brooks, M. A., 1977, J. Invert. Path., v. 29 (2), 126-132
Microsporida [sp.], growth, development, and fumagillin sensitivity in vitro in moth (Heliothis zea) cell culture
Malacosoma disstria: northern Minnesota

Development, Protozoa
Lainson, R.; Shaw, J. J.; and Ward, R. D., 1976, Parasitology, v. 72 (3), 225-243
Schellackia landauae sp. nov., development, life cycle, exper. transmission between Polychrus marmoratus and Culex pipiens fatigans: Brazil

Development, Protozoa
Lainson, R.; Ward, R. D.; and Shaw, J. J., 1977, Proc. Roy. Soc. London, s. B, Biol. Sc. (1135), v. 199, 309-320
Leishmania spp., presence or absence of development in hindgut of sandfly Lutzomyia longipalpis (exper.), importance of hindgut development in distinguishing between parasites of Leishmania mexicana and L. braziliensis complex

Development, Protozoa
Langreth, S. G.; and Trager, W., 1973, J. Protozool., v. 20 (5), 606-613
Plasmodium lophurae, extracellular development in vitro, light and electron microscopy, incorporation of methionine or proline, observation of abnormalities which may indicate limits of extracellular cultivation in vitro (loss of host-derived outer parasite membrane and apparent reduction in feeding activity via food vacuoles)

Development, Protozoa
Leaney, A. J., 1977, Parasitology, v. 75 (2), xxviii-xxix [Abstract]
Leishmania mexicana amazonensis in Lutzomyia longipalpis (exper.) maintained at 3 different temperatures (22, 24, and 28 °C.), distribution of parasites and degree of infection at 24h intervals from 2 to 8 days after infective feed compared, appears that small changes in temperature may have marked effect on development and behavior of Leishmania in sandflies and therefore on transmission

Development, Protozoa
Lee, E.-H.; Remmler, O.; and Fernando, M. A., 1977, J. Parasitol., v. 63 (1), 155-156
Eimeria tenella, results of single sporocyst infections suggest that sporozoites are sexually undifferentiated

Development, Protozoa
Liu, T. P.; and Davies, D. M., 1973, J. Protozool., v. 20 (5), 622-630
Thelohania bracteata, spore envelope during development, ultrastructural architecture and organization, freeze-etching technique

Development, Protozoa
Long, P. L.; and Millard, B. J., 1976, Parasitology, v. 73 (3), 327-336
Eimeria praecox, E. maxima, E. acervulina, site finding and site specificity in chickens

Development, Protozoa
Loubes, C.; and Maurand, J., 1975, J. Protozool., v. 22 (3), 42A [Abstract]
Gurleya, ultrastructure, developmental stages

Development, Protozoa
Loubes, C.; and Maurand, J., 1975, J. Protozool., v. 22 (3), 83A [Abstract]
Gurleya, ultrastructure of some developmental stages

Development, Protozoa
Lushbaugh, W. B.; McGhee, R. B.; and Singh, S. D., 1976, J. Protozool., v. 23 (1), 127-134
Plasmodium gallinaceum, erythrocytic stages in embryonic and neonate chicks, abnormal morphology and development associated with adaptation to immature host

Development, Protozoa
McCall, H., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 286 [Demonstration]
Rhipicephalus appendiculatus, stimulation of acid phosphatase activity in salivary glands from Theileria parva infected and non-infected unfed ticks, parasite maturation not induced

Development, Protozoa
McCully, R. M.; et al., 1975, Onderstepoort J. Vet. Research, v. 42 (4), 117-133
Hepatozoon sp. in wild carnivores and H. canis in dogs compared, location in host, developmental stages, lesions, pathogenesis; attempt to transmit Hepatozoon from jackal to dogs by means of Rhipicephalus sanguineus was inconclusive: South Africa

Development, Protozoa
McDougald, L. R.; and Jeffers, T. K., 1976, J. Protozool., v. 23 (4), 530-534
Eimeria tenella precocious vs. normal strains, comparative development in vitro, pathogenicity attenuation and reduction of prepatent period in precocious strain clearly resulted from omission of portion of life cycle (2nd generation schizogony)

Development, Protozoa
McDougald, L. R.; and Jeffers, T. K., 1976, Science (4236), v. 192, 258-259
Eimeria tenella, selection for precociousness resulted in strain with only one asexual generation prior to gametogony in vitro

Development, Protozoa
McLeod, R. A. F.; and Brown, A., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 286 [Demonstration]
Plasmodium chabaudi, intravenous injection of unadapted strain into splenectomized rats, development of high number of gametocytes

Development, Protozoa
Madden, P. A.; and Vetterling, J. M., 1977, J. Parasitol., v. 63 (4), 607-610
Eimeria tenella, development of microgametes from microgamont stage to maturity and fertilization, scanning electron microscopy

Development, Protozoa
Markus, M. B., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 7-8 [Demonstration]
Isospora sp. in Cynictis penicillata (epithelial cells of small intestine), developmental stages, gametogony: western Transvaal, South Africa

Development, Protozoa
Mehlhorn, H.; and Heydorn, A. O., 1977, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 239 (1), 124-139
Sarcocystis suihominis, pigs (exper.), cyst fine structure and development in muscle fibre, nervous and connective tissue cells, light and electron microscopy, concluded that development of S. suihominis is somewhat quicker than other sarcosporidia

Development, Protozoa
Mehlhorn, H.; Heydorn, O.; and Gestrich, R., 1975, J. Protozool., v. 22 (3), 83A [Abstract]
calves infected with Isospora hominis sporocysts or I. bigemina large forms from dog or cat, development of Sarcocystis fusiformis cysts in musculature, each of 3 species of Isospora forms characteristic cysts, "Ainsi, il semble prouve que les kystes de Sarcocystis fusiformis Railliet, 1897 font partie des cycles de developpement d'au moins trois especes differentes de Coccidies."

Development, Protozoa
Mehlhorn, H.; and Schein, E., 1976, J. Protozool., v. 23 (4), 14A [Abstract]
Theileria, sexual development in intestine and hemolymph of Hyalomma anatolicum excavatum

Development, Protozoa
Mehlhorn, H.; and Schein, E., 1976, Tropenmed. u. Parasitol., v. 27 (2), 182-191
electron microscopic study of developmental stages of Theileria parva in the intestine of the tick Hyalomma anatolicum

Development, Protozoa
Mehlhorn, H.; and Schein, E., 1977, J. Protozool., v. 24 (2), 249-257
Theileria annulata in Hyalomma anatolicum excavatum, development of kinetes, electron microscopic studies

Development, Protozoa
Mello, M. N.; and Deane, M. P., 1976, Ann. Trop. Med. and Parasitol., v. 70 (4), 381-388
Trypanosoma cruzi 4 strains, patterns of development in embryonated chicken egg, effect of temperature

Development, Protozoa
Mignot, J.-P.; and Brugerolle, G., 1974, J. Protozool., v. 21 (5), 649-658
Opalina, Cepedea, ultrastructure of 2 different types of cysts, cortical morphogenesis

Development, Protozoa
Miltgen, F.; et al., 1976, Ann. Parasitol., v. 51 (3), 299-302
Hepatocystis brayi, development in Culicoides spp. (exper.)

Development, Protozoa
Mitchell, G. H.; Butcher, G. A.; and Cohen, S., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 12-13 [Demonstration]
Plasmodium falciparum, rapid development of gametocytes in culture

Development, Protozoa
Miyata, A., 1976, Nettai Igaku (Trop. Med.), v. 18 (3), 135-141
Dactylosoma ranarum, survey, incidence in tadpoles and frogs, parasite development and morphology

Development, Protozoa
Morzaria, S. P.; Bland, P.; and Brocklesby, D. W., 1976, Research Vet. Sc., v. 21 (1), 1-11
Babesia major, ultrastructure in infected Haemaphysalis punctata, characteristic organelles in B. major merozoites confirm this parasite to subphylum Apicomplexa

Development, Protozoa
Mueller, B. E. G., 1975, J. Protozool., v. 22 (3), 11A [Abstract]
Eimeria contorta, sporozoite ultrastructure and transformation into schizonts

Development, Protozoa
Mueller, B. E. G., 1975, Ztschr. Parasitenk., v. 47 (2), 91-101
Eimeria contorta, development, first generation merozoites to second generation schizonts and merozoites in mouse, electron microscopy

Development, Protozoa
Mueller, B. E. G.; deVos, A. J.; and Hammond, D. M., 1973, J. Protozool., v. 20 (2), 293-297
Eimeria canadensis, development of first generation schizonts and merozoites in various bovine cell cultures

Development, Protozoa
Mugera, G. M.; and Munyua, W. K., 1973, Bull. Epizoot. Dis. Africa, v. 21 (1), 51-66
Theileria parva, developmental stages in tick and bovine tissues, electron microscopy

Development, Protozoa
O'Daly, J. A., 1976, J. Protozool., v. 23 (4), 577-583
Trypanosoma cruzi, division and epimastigote-to-trypomastigote transformation in vitro, growth-stimulating capacities of fetal calf serum fractions and proteins

Development, Protozoa
O'Daly, J. A.; and Bretana, A., 1976, Internat. J. Parasitol., v. 6 (3), 271-278
Trypanosoma cruzi epimastigotes obtained from new liquid culture medium, morphogenesis of kinetoplast-mitochondrion complex in division and growth, description of crystal-like pattern of channels between mitochondria and kinetoplasts, new structure at flagellar end in epimastigotes reported

Development, Protozoa
Olson, R. E., 1975, J. Protozool., v. 22 (3), 29A [Abstract]
Parophrys vetulus were exper. infected with Glugea stephani by feeding on Artemia salini and Corophium spinicorne that had been allowed to ingest spores, temperature found to be of critical importance in establishment and development of G. stephani

Development, Protozoa
Omar, M. S.; Gwadz, R. W.; and Miller, L. H., 1975, Tropenmed. u. Parasitol., v. 26 (3), 303-306
Plasmodium cynomolgi in Anopheles balabacensis (exper.), incorporation of nucleic acid precursors into sporogonic stages indicates that parasites need exogenous sources of purine but rely on synthesis of pyrimidine during development in vector

Development, Protozoa
Otieno, L. H.; Darji, N.; and Onyango, P., 1976, Acta Trop., v. 33 (2), 143-150
Trypanosoma brucei, development to infective stage in Glossina morsitans following inoculation of bloodstream forms into haemocoel, observations suggest possibility of cyclical transmission other than by the classically prescribed route of migration in tsetses; unusual modes of multiplication observed in haemocoel trypanosomes

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Development, Trematoda
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Schistosoma mansoni, in vitro development compared to in vivo, presence of living Biomphalaria glabrata cells indispensable for proper development, cultured cercariae were water-sensitive, gave no cercarienhullen reaction, appeared to lack surface glycocalyx, and were not infective to mice or hamsters

Development, Trematoda
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Development, Trematoda
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Development, Trematoda
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Development, Trematoda
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Fasciola hepatica, morphogenesis in rabbits, 42 days post infection, genital organs not sufficiently developed to produce secretions for antigenic stimulation of host, but secretory caecal epithelium of digestive organs develops earlier, provides antigenic material during migratory and biliary system periods

Development, Trematoda
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Development, Trematoda
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Development, Trematoda
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Development, Trematoda
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Development, Trematoda
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Development, Trematoda
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Development, Trematoda
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Development, Trematoda
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Development, Trematoda
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Development, Trematoda
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Development, Trematoda
Ellis, J. C.; Bourns, T. K. R.; and Rau, M. E., 1975, Canad. J. Zool., v. 53 (12), 1803-1811
Trichobilharzia ocellata, previously infected Anas platyrhynchos and A. rubripes exposed to homologous challenge infections, migration, growth and development, and condition compared to initial infection

Development, Trematoda
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Development, Trematoda
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Development, Trematoda
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Schistosoma mansoni, development and movement of reproductive cells, effects of stressful conditions (in vitro culture system, intraperitoneal maintenance in hamsters, unisexual transplants in hamsters)

Development, Trematoda
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Fascioloides magna in Odocoileus virginianus, prevalence, flukes were paired in 256 of 301 fibrous hepatic capsules, prevalence of immature flukes with an average of one immature per infected liver was similar in all host age classes and suggests a relationship between fluke pairing and maturation: southern Texas

Development, Trematoda
Foreyt, W. J.; and Todd, A. C., 1976, J. Parasitol., v. 62 (1), 26-32
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Development, Trematoda
Fournier, A., 1976, Ann. Parasitol., v. 51 (1), 15-26
Euzetrema knoepffleri, tegument, ultrastructure and development during life cycle

Development, Trematoda
Frandsen, F., 1977, J. Helminth., v. 51 (1), 5-10
Schistosoma intercalatum, production of male and female cercariae in Bulinus spp. with unimiracidial infections, infection rate in mice infected with cercariae of one sex

Development, Trematoda
Fu, H.-M.; Chow, K.; and Chiu, J.-K., 1976, Internat. J. Zoonoses, v. 3 (2), 105-113
Schistosoma japonicum adults and schistosomula, in vitro culture with various sera and media, survival; development and morphological changes of schistosomula

Development, Trematoda
Fujino, T.; et al., 1977, J. Helminth., v. 51 (2), 125-129
Microphalloides japonicus metacercariae, cultivation in vitro to gravid adults in various media, comparison with in vivo development

Development, Trematoda
Ghandour, A. M.; and Webbe, G., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 10 [Demonstration]
Schistosoma mansoni, growth and development inhibited when irradiated with ultra-violet light

Development, Trematoda
Grabda-Kazubska, B., 1969, Acta Parasitol. Polon., v. 16 (20-27), 1968-1969, 249-269
Opisthioglyphe ranae, O. rastellus, life cycle, cercarial behavior, penetration, development; abbreviation of life cycles

Development, Trematoda
Grant, W. C.; Harkema, R.; and Muse, K. E., 1976, J. Parasitol., v. 62 (1), 39-49
Pharyngostomoides procyonis, spermatogonia, nutritive cells, developmental stages of spermatids, ultrastructure, preliminary observations on seminal reservoir, seminal vesicle, and sperm found in these organs

Development, Trematoda
Grelck, H.; Hoerchner, F.; and Woehrl, H., 1977, Berl. u. Munchen. Tierarztl. Wchnschr., v. 90 (19), 371-373
Fasciola hepatica-infected ponies, orally and intraperitoneally, rate of development of parasite, most liver flukes found in animals severely infected with Strongylus and Trichonema

Development, Trematoda
Habe, S., 1975, Bull. Azabu Vet. Coll. (30), 83-104
Paragonimus westermani, dogs (exper.), parenteral infections, worm migration and development as compared to oral infections

Development, Trematoda
Haight, M.; Davidson, D.; and Pasternak, J., 1977, J. Parasitol., v. 63 (2), 267-273
Trichobilharzia ocellata, proliferating cells of cercariae, 6 nuclear classes identified on basis of interphase nuclear morphology, assignment to specific phase of cell cycle on basis of microspectrophotometric and autoradiographic evidence, cells divide mitotically throughout all stages of cercarial development, no evidence of diploid parthenogenetic reproduction

Development, Trematoda
Haight, M.; Davidson, D.; and Pasternak, J., 1977, J. Parasitol., v. 63 (2), 274-281
Trichobilharzia ocellata, quantitative aspects of cellular proliferation during cercarial development, results do not support germinal lineage theory of cercarial development since none of observed nuclear types could be unequivocally identified as belonging to the germ line

Development, Trematoda
Halton, D. W., 1976, Parasitology, v. 73 (2), xxvii [Abstract]
Diclidophora merlangi, Diplozoon paradoxum, Calicotyle kroyeri, oocyte differentiation, ultrastructural changes

Development, Trematoda
Halton, D. W.; and Hardcastle, A., 1976, Internat. J. Parasitol., v. 6 (1), 43-53
Diclidophora merlangi, spermatogenesis, maturation of spermatozoon and its ultrastructure, early stages of cellular development in testis

Development, Trematoda
Halton, D. W.; Stranock, S. D.; and Hardcastle, A., 1976, Parasitology, v. 73 (1), 13-23
Diclidophora merlangi, Diplozoon paradoxum, Calicotyle kroyeri, ultrastructural changes accompanying oocyte differentiation

Development, Trematoda
Harada, T., 1971, Nettai Igaku (Trop. Med.), v. 12 (4), 219-233
Schistosoma japonicum, viability and hatchability under various conditions of media, possible infection routes and development and survival in Oncomelania nosophora intermediate snail hosts

Development, Trematoda
Huehner, M. K.; and Etges, F. G., 1977, J. Parasitol., v. 63 (4), 669-674
Aspidogaster conchicola, life cycle and development in Viviparus malleatus and Goniobasis livescens, growth phases and allometry

Development, Trematoda
James, C.; et al., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 18 [Demonstration]
Schistosoma haematobium in baboon (exper.), challenge infection with cercariae showed immune reaction with egg output suppression and recovery of very small to large male and female worms

Development, Trematoda
Knowles, E. E. III; and Hall, J. E., 1976 J. Invert. Path., v. 27 (3), 351-362
penetration and development of Allopodocotyle lepomis in mayfly naiads, histopathology, immune response
Nitocris dilatatus: larger tributaries of Cheat and Greenbrier Rivers, West Virginia
Litobrancha recurvata (exper.)

Development, Trematoda
Køie, M., 1976, Ophelia, v. 15 (1), 1-14
Zoogonoides viviparus, extensive life cycle study, morphology

Development, Trematoda
Køie, M., 1977, J. Parasitol., v. 63 (5), 835-839
Cryptocotyle lingua, stereoscan studies of cercariae, metacercariae, and adults

Development, Trematoda
Køie, M.; and Frandsen, F., 1976, Ztschr. Parasitenk., v. 50 (3), 335-344
Schistosoma mansoni, miracidium and early sporocysts, scanning electron microscopy

Development, Trematoda
Kraneburg, W., 1977, Berl. u. Munchen. Tierarztl. Wchnschr., v. 90 (16), 316-320
Paramphistomum cervi, development of parasite in snail intermediate host and free-living stages, overwintering in snail

Development, Trematoda
Kritsky, D. C.; and Kruidenier, F. J., 1976, Proc. Helminth. Soc. Washington, v. 43 (1), 47-58
Gyrodactylus eucaliae, tegument, fine structure and development

Development, Trematoda
Lambert, A., 1975, Compt. Rend. Acad. Sc., Paris, v. 281, s. D, Sc. Nat. (18), 1329-1332
Actinocleidus sp., post larval development, hypothesis of onchoblast migration in Dactylogyroidea

Development, Trematoda
Lawson, R.; and Draskau, T., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 289 [Demonstration]
Schistosoma mansoni schistosomula, cine photography used to investigate changes in body shape and in the pattern of activity during migration within the host, worm growth begins when worms reach the host liver

Development, Trematoda
Lim, H. K.; et al., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 277-278 [Demonstration]
Echinostoma hystricosum, life cycle, development of sporocyst stage

Development, Trematoda
Lim, H. K.; Ow-Yang, C. K.; and Lie, K. J., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (1), 134-135 [Demonstration]
Echinostoma audyi, E. hystricosum, Hypoderaeum dingeri, development of redial populations within Lymnaea rubiginosa snail hosts (exper.), trematode development associated only with increased snail size

Development, Trematoda
Lo, S.; et al., 1975, J. Parasitol., v. 61 (3), 413-417
Allopodocotyle lepomis, larval surface structure, tegumental changes during transition from cercaria to metacercaria, topography of newly encysted metacercaria and host capsule, scanning electron microscopy

Development, Trematoda
Loseva, T. G., 1973, Inform. Biul. Inst. Biol. Vnutren. Vod, Akad. Nauk SSSR (19), 47-50
Dactylogyrus spp. in Blicca bjoerkna (exper.), effect of temperature on development

Development, Trematoda
Macdonald, S., 1977, Internat. J. Parasitol., v. 7 (2), 113-118
Diclidophora merlangi, D. luscae, and D. denticulata compared, structure, hatching, and development

Development, Trematoda
MacKinnon, B., 1977, Parasitology, v. 75 (2), ii [Abstract]
Quinqueserialis quinqueserialis, development of 'ventral glands', these structures probably function in adhesion and the large number of mitochondria suggest that they may also function in respiration

Development, Trematoda
McLaren, D. J.; and Hockley, D. J., 1976, Parasitology, v. 73 (2), 169-187
Schistosoma mansoni, development of microvilli on tegument surface during cercaria/schistosomulum transformation

Development, Trematoda
McLaughlin, J. D., 1976, Canad. J. Zool., v. 54 (1), 48-54
Cyclocoelum mutabile, life cycle, description of developmental stages in 6 species of snail and Fulica americana

Development, Trematoda
Mohandas, A., 1975, J. Helminth., v. 49 (3), 167-171
recovery of sporocysts capable of producing miracidia from upper branchial chamber of Melania tuberculata and M. scabra, description, histochemistry, discussion of this developmental anomaly: Chackai Canal, Trivandrum, India

Development, Trematoda
Nagai, Y.; et al., 1977, Comp. Biochem. and Physiol., v. 57 (1B), 27-30
Schistosoma mansoni, protein synthesis during cercaria-schistosomulum transformation and early larval development investigated in vitro and assessed by labelled amino acid incorporation

Development, Trematoda
Nasir, P., 1973, Riv. Parassitol., Roma, v. 34 (3), 169-180
cercarial biology: developmental anomalies; emergence in relation to light, host starvation, temperature, rough handling of host or changed environment, and number of parthenitae within snails

Development, Trematoda
Nollen, P. M.; et al., 1976, J. Parasitol., v. 62 (2), 227-231
Schistosoma spp., pattern of gonial and vitelline cell labeling with ^{3}H-thymidine, timing of development and movement of these reproductive cells

Development, Trematoda
Ogambo-Ongoma, A. H.; and Goodman, J. D., 1973, Bull. Epizoot. Dis. Africa, v. 21 (2), 117-122
Fasciola gigantica, morphology and development of eggs and miracidia

Development, Trematoda
Ogambo-Ongoma, A. H.; and Goodman, J. D., 1976, J. Parasitol., v. 62 (1), 33-38
Fascioloides gigantica, development of intramolluscan stages in Lymnaea natalensis (exper.), differences from previous accounts

Development, Trematoda
Palmieri, J. R.; Sullivan, J. T.; and Ow-Yang, C. K., 1977, J. Parasitol., v. 63 (2), 299-300
Fasciola gigantica, occurrence of sporocyst generation in Lymnaea rubiginosa (exper.) (mantle collar, renal vein), observations contradict those of direct metamorphosis of miracidium into rediae

Development, Trematoda
Pande, V.; and Premvati, G., 1976, Indian J. Animal Sc., v. 44 (8), 1974, 572-580
Opisthorchis caninus in albino rats and mice (both exper.), development of metacercarial cysts, results indicate that mice are unfavorable hosts; systematic position discussed; synonymy

Development, Trematoda
Pandey, K. C., [1975], Indian J. Zoot., v. 14 (3), 227-236
Clinostomum piscidium, life cycle, description of eggs, miracidium, redia, cercaria, metacercaria, and adults

Development, Trematoda
Pellegrino, J., 1975, Ann. Trop. Med. and Parasitol., v. 69 (4), 523-524
Schistosoma japonicum, maturation of eggs in intestine of mice (exper.), results of Fouadin treatment, data show that oogram method for screening drugs in S. mansoni can also be used for S. japonicum

Development, Trematoda
Rawson, M. V., jr., 1976, J. Fish Biol., v. 9 (2), 185-194
monogenean trematodes, development in Mugil cephalus, seasonal distribution, intensity of infection, parasite number increases with host age: spartina marsh drainages, Sapelo Island, McIntosh County, Georgia

Development, Trematoda
Rees, F. G., 1977, Proc. Roy. Soc., London, s. B (1121), v. 195, 425-452
Cryptocotyle lingua cercariae, development, morphology and ultrastructure of tail and excretory system; mechanism of tail loss

Development, Trematoda
Rowntree, S.; and James, C., 1977, J. Helminth., v. 51 (1), 69-70
Schistosoma mansoni, comparison of infectivity of male vs. female cercariae, concluded that male parasite is stronger than female

Development, Trematoda
Ruppel, A.; and Cioli, D., 1977, Parasitology, v. 75 (3), 339-343
Schistosoma mansoni, protein composition of various developmental stages compared by electrophoresis in polyacrylamide slab gels, high degree of identity between protein patterns obtained from immature and adult parasites of the two sexes, some stage- and sex-specific components were identified

Development, Trematoda
Sahba, G. H.; and Malek, E. A., 1977, Am. J. Trop. Med. and Hyg., v. 26 (2), 331-333
Schistosoma haematobium, comparison of extent of development and size of parasites in unisexual and bisexual infections, frequency of single sex male and female infections and level of maturity reached by female in absence of male

Development, Trematoda
Sey, O., 1972, Parasitol. Hungar., v. 5, 17-38
Paramphistomum daubneyi, morphology and development of eggs, epidermal structure of terebratorium can be used to distinguish higher taxa of family and genus

Development, Trematoda
Sey, O.; and Sayed, R. I., 1976, Acta Zool. Acad. Scient. Hungar., v. 22 (1-2), 165-171
pre-parasitic stages of Basidiodiscus ectorchis and Sandonia sudanensis, embryonic development, morphology of miracidia, formed redia present in germinal cavity of miracidia, sporocyst stage absent

Development, Trematoda
Shaw, J. R., 1977, Exper. Parasitol., v. 41 (1), 54-65
Schistosoma mansoni, effect of pairing females from single sex infections with males under in vitro conditions, subsequent development and ultrastructural changes in reproductive system

Development, Trematoda
Shaw, J. R.; Marshall, I.; and Erasmus, D. A., 1977, Exper. Parasitol., v. 42 (1), 14-20
Schistosoma mansoni, in vitro stimulation by extracts of male worms of vitelline cell development and increase in length of female worms, data strongly suggest that development of female reproductive system is dependent to some extent on chemical factors present in the male

Development, Trematoda
Singh, B. P.; and Ahluwalia, S. S., 1977, Indian Vet. J., v. 54 (3), 207-212
Orientobilharzia dattai, post-cercarial development and migration in white mice, rabbits and guinea pigs (all exper.)

Development, Trematoda
Smith, M.; Clegg, J. A.; and Webbe, G., 1976, Ann. Trop. Med. and Parasitol., v. 70 (1), 101-107
Schistosoma haematobium, in vitro development in culture system used for S. mansoni, compared with development in Mesocricetus auratus and with development of S. mansoni in vitro

Development, Trematoda
Stein, P. C.; and Basch, P. F., 1977, J. Parasitol., v. 63 (6), 1031-1040
Echinostoma paraensei, in vitro system for metacercarial encystment using cultured cells from Biomphalaria glabrata, ultrastructure and formation of cyst wall

Development, Trematoda
Sullivan, J. T.; Palmieri, J. R.; and Ow-Yang, C. K., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (1), 133-134 [Demonstration]
Fasciola gigantica, occurrence of sporocyst generation in Lymnaea rubiginosa (exper.), possible strain variations in patterns of larval development

Development, Trematoda
Theron, A., 1976, Ann. Parasitol., v. 51 (3), 329-340
Plagiorchis neomidis, life cycle, cercarial chetotaxy, photoperiodicity of cercarial emergence, metacercarial development

Development, Trematoda
Torpier, G.; Capron, M.; and Capron, A., 1977, J. Ultrastructure Research, v. 61 (3), 309-324
Schistosoma mansoni, cercaria and schistosomula supramolecular structure of tegumental outer membrane, structural changes during developmental stages

Development, Trematoda
Torpier, G.; Capron, M.; and Capron, A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 290-291 [Demonstration]
Schistosoma mansoni, freeze fracture experiments to study development of maturation stages of parasite

Development, Trematoda
Tribouley, J.; et al., 1977, Ann. Parasitol., v. 52 (6), 629-636
Schistosoma mansoni, effect of ambient temperature on development in mice, hyperthermia causes decrease in numbers of parasites present

Development, Trematoda
Vasilev, I.; and Denev, I., 1972, Izvest. Tsentral. Khelmint. Lab., v. 15, 5-20
Philophthalmus sp., development of larval stages in Fagotia acicularis (exper.) (cardiac ventriculum, digestive tract)

Development, Trematoda
Wilson, R. A.; and Draskau, T., 1976, Parasitology, v. 72 (3), 245-257
Fasciola hepatica in Lymnaea truncatula, stimulation of daughter redia production by host starvation or by low or high temperature shocks, no evidence that presence of daughter rediae coincides with suppression of cercarial production

Development, Trematoda
Wilson, R. A.; Lawson, J. R.; and Draskau, T., 1977, Parasitology, v. 75 (2), xii [Abstract]
Schistosoma mansoni, schistosomulum, changes in body shape and activity pattern during migration from skin to hepatic portal system, changes appear to be related to worm ability to crawl along capillaries

Development, Trematoda
van Wyk, J. A.; van Rensburg, L. J.; and Heitmann, L. P., 1976, Onderstepoort J. Vet. Research, v. 43 (2), 43-54
Schistosoma mattheei, Merino and Dorper sheep (exper.), influence of host age and breed on infestation (host susceptibility, cercarial penetration and development to adults, distribution of worms in host, worm sex ratio, egg excretion); variation in cercarial infectivity

Diabetes
Bernard, P. M.; et al., 1969, Marseille Med., v. 106 (2), 173-174
woman, diabetes insipidis as complication of acquired toxoplasmosis, case report: France

Diabetes
Mahmoud, A. A. F.; Cheever, A. W.; and Warren, K. S., 1975, J. Infect. Dis., v. 131 (6), 634-642
Schistosoma mansoni in mice with streptozotocin-induced diabetes mellitus, no direct effect on parasite but profound effect on host reactivity, alleviation of clinical disease in acute stage probably related to generalized suppression of cellular hypersensitivity, exacerbation in chronic stage related to megalocytosis of hepatocytes

Diabetes
Saoud, M. F. A.; et al., 1976, J. Helminth., v. 50 (3), 173-174
Schistosoma rodhaini, golden hamsters, pancreatic histopathology, may be useful experimental model for resolving controversial issue of etiological relationship between schistosomiasis and diabetes

Diabetes
Spaldonova, R.; et al., 1973, Izvest. Tsentral. Khelmint. Lab., v. 16, 197-203
Trichinella spiralis, white mice, effect of aloxan diabetes on dynamics of intestinal trichinosis and intensity of muscular infection, hyperglycaemia may inhibit allergic reaction of host to infection

Diabetes
Tomasovicova, O.; and Spaldonova, R., 1974 Biologia, Bratislava, s. B, Zool. (1), v. 29 (2), 159-162
Trichinella spiralis, intestinal phase in mice having experimental diabetes, longer worms than in normal mice but development not affected

Diagnosis. [See also Immunity, Agglutination; Immunity, Complement; Immunity, Diagnosis; Immunity, Enzyme labelling; Immunity, Immobilization; Immunity, Precipitation; Immunity, Skin tests; Immunofluorescence; Technique, Fecal examination; Technique, Stains]

Diagnosis
Burke, G. J., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 402-405
10 patients with presumed parasitological disease, circulating absolute eosinophil levels over a 24 hour period, periodicity, steroid administration will not separate parasitic from other causes of eosinophilia

Diagnosis
Charters, A. D., 1976, Microscopica Acta, v. 78 (5), 451-452
staining thick and thin blood films for parasites in the field

Diagnosis
Ewing, S. A., 1974, Vet. Clin. Path. (Coles), 2. ed., 472-541
techniques for diagnosing parasites of animals

Diagnosis
Germain, P., 1971, Medecine Interne, v. 6 (4), 249-272
diagnosis and clinical aspects of tropical diseases of Africans who have travelled and migrated to non-endemic areas, review

Diagnosis
Lagardere, B.; and Danis, M., 1976, Medecine Infant., v. 83 (1), 23-26
differential diagnosis of possible parasitic causes of eosinophilia in children

Diagnosis
Litton, E., 1975, Exames parasitologicos, s. C, v. 1, 299 pp.
parasitological laboratory tests, manual

Diagnosis
Nicolas, J. A.; Leimbacher, F.; and Mage, C., 1977, Rev. Med. Vet. Toulouse, v. 128 (7), 1003-1017
use of parasitological test results from diagnostic laboratory, useless for epidemiologic studies, review

Diagnosis
Niculescu, A., 1974, Rev. Crest. Animalelor, v. 24 (8), 65-69
diagnosis of parasites of domestic animals, very brief review

Diagnosis
Saupe, E., 1976, Prakt. Tierarzt , v. 57, Sondernummer, 98-102
survey of techniques of fecal examination for diagnosis of parasites of domestic animals, recommendations for appropriateness of techniques to various cases, review

Diagnosis
Spencer, F. M.; and Monroe, L. S., 1975, The color atlas of intestinal parasites, 158 pp.
intestinal parasites, color photomicrographs, laboratory techniques for specimen collection and preparation

Diagnosis, Arthropoda
Aterman, K.; Krause, V. W.; and Ross, J. B., 1976, Canad. Med. Ass. J., v. 115 (5), 443-444
case report of scabies in young child presenting with symptoms of Letterer-Siwe's disease, differential diagnosis presented: Halifax, Nova Scotia

Diagnosis, Arthropoda
Brochery, J. L.; et al., 1976, Nouv. Presse Med., v. 5 (28), 1755 [Letter]
human porocephaliasis demonstrated by abdominal x-ray as multiple calcified nymphs located in the mid-abdominal area: France (native of Senegal)

Diagnosis, Arthropoda
Coring, J., 1975, Deutsche Tierarztl. Wchnschr., v. 82 (12), 491-492
ovine scabies, brief review of clinical aspects, diagnosis

Diagnosis, Arthropoda
Crawford, K. L., 1971, Maryland State Med. J., v. 20 (11), 95-96
diagnostic differentiation of common ticks of Maryland, ticks as disease vectors, control and treatment measures

Diagnosis, Arthropoda
Desch, C. E.; O'Dea, J.; and Nutting, W. B., 1971, Acarologia, v. 12 (3), 522-526
Demodex, description of proctodeum, valid structure for species discrimination, possibly a hydrostatic organ

Diagnosis, Arthropoda
Discamps, G.; and Albert, J. P., 1974, Medecine Trop., v. 34 (2), 279-285
Armillifer armillatus causing human pentastomiasis, pathological and clinical findings, diagnosis

Diagnosis, Arthropoda
Dorrestein, G. M.; and van Bronswijk, J. E. M. H., 1977, Tijdschr. Diergeneesk., v. 102 (12), 748-753
Trixacarus caviae, guinea-pigs, clinical and histological features, morphological differentiation from Sarcoptes scabiei and Notoedres muris, transmission to humans

Diagnosis, Arthropoda
Eichler, W.; and Zlotorzycka, J., 1975, Ang. Parasitol., v. 16 (3), 153-161
Philopteridae, Strigiphilinae, generic diagnosis redefined, species group "Craspedorrhynchus species of Aquilini" defined for first time, phylogenic scheme, differential diagnosis of C. fraterculus n. sp., C. aquilinus, C. naevius, C. macrocephalus

Diagnosis, Arthropoda
Epstein, E., 1973, Med. Aspects Human Sexual., v. 7 (10), 228-242
Sarcoptes scabiei var. hominis, diagnosis in humans, sexual contact as potential means of dissemination, syphilis as common complication, treatment with Kwell lotion

Diagnosis, Arthropoda
Epstein, E., 1975, Med. Aspects Human Sexual., v. 9 (1), 8-27
diagnosis of Pthirus pubis in humans, modes of dissemination, increasing infestations, treatment with Kwell ointment

Diagnosis, Arthropoda
Gerwels, J. W.; and Beckett, J., 1975, Med. Aspects Human Sexual., v. 9 (10), 7-27
Pthirus pubis, Sarcoptes scabiei var. hominis, dermatologic manifestations of venereally transmitted human infections

Diagnosis, Arthropoda
Miller, D. A.; and Weg, J. G., 1977, Am. Rev. Resp. Dis., v. 115 (4, pt. 2), 267 [Abstract]
scabies in immunocompromised patient whose infection was masked by pustular psoriasis, epidemic outbreak in personnel caring for patient in intensive care unit, definitive and prophylactic therapy of personnel and contacts with gamma benzene hexachloride lotion: Michigan

Diagnosis, Arthropoda
Parlette, H. L., 1976, Arch. Dermat., Chicago, v. 112 (3), 409-410
incidence of human Sarcoptes scabiei hominis increasing, need for diagnostic awareness, clinical diagnostic methods, medical management with Kwell lotion or cream or with benzyl benzoate

Diagnosis, Arthropoda
Price, R. D.; and Hellenthal, R. A., 1975, J. Med. Entom., v. 12 (4), 401-408
Geomydoecus texanus complex, mathematical evaluation of characters for diagnostic usefulness

Diagnosis, Arthropoda
Radhakrishnan, S., 1977, Hydrobiologia, v. 52 (2-3), 251-255
Peniculisa wilsoni sp. nov., length of caudal processes in relation to total length of the prolongation of the abdomen of little taxonomic value

Diagnosis, Arthropoda
Shelley, W. B.; and Wood, M. G., 1976, J. Am. Med. Ass., v. 236 (10), 1144-1145
severe pruritus with papular eruptions of 1-year's duration in man finally diagnosed as scabies after immature Sarcoptes scabiei found in cross section of papular biopsy, case history, cure with gamma benzene hexachloride: Pennsylvania

Diagnosis, Arthropoda
Stock, J. H., 1968, Bull. Zool. Mus. Univ. Amsterdam, v. 1 (9), 89-105
differential diagnosis between Diogenidium and Herrmannella

Diagnosis, Arthropoda
Szpakowska, J., 1976, Przegl. Dermat., v. 63 (1), 65-68
Sarcoptes scabiei, humans, comparative review of 4 diagnostic techniques, scrapings preserved in paraffin oil most efficient

Diagnosis, Arthropoda
Thorold, P. W., 1972, J. South African Vet. Ass., v. 43 (2), 201-203
Sarcoptes scabiei, sheep, diagnosis, economic importance, and control with fenchlorphos

Diagnosis, Arthropoda
Zlotorzycka, J.; and Lucinska, A., 1975, Polskie Pismo Entom., v. 45 (3-4), 547-563
differential diagnosis of Philopterus and Docophorulus

Diagnosis, Cestoda
Andersen, K., 1972, Norwegian J. Zool., v. 20 (4), 255-264
Diphyllobothrium ditremum, description, morphological comparison with D. dendriticum and D. latum all with Mesocricetus auratus (exper.) as final host, list of defining characteristics

Diagnosis, Cestoda
Andersen, K.; and Halvorsen, O., 1976, Norwegian J. Zool., v. 24 (4), 469 [Abstract]
Diphyllobothrium dendriticum, D. ditremum, and D. latum eggs, use of egg size to differentiate the 3 species

Diagnosis, Cestoda
Arana Iniguez, R.; et al., 1973, Neuro-Chir., v. 19 (4), 347-372
echinococcosis of human skull, X-ray and laboratory diagnosis, case review, surgical management: Montevideo

Diagnosis, Cestoda
Baehr, R.; et al., 1973, Medicina Alemana, v. 14 (3), 303, 306, 313
medical management and diagnosis of human forms of hepatic echinococcosis, review

Diagnosis, Cestoda
Balestrazzi, N.; and Guerra, G., 1973, Minerva Chir., v. 28 (10), 748-756
human hepatic echinococcal cyst of posterior area, diagnosis by hepatic scan, surgical management

Diagnosis, Cestoda
Banche, M.; Roatta, L.; and Ferrari, A., 1975, Minerva Gastroenterol., v. 21 (2), 45-48
Echinococcus granulosus, E. multilocularis, human hepatic cysts, diagnosis by laparoscopy

Diagnosis, Cestoda
Bassermann, F. J., 1971, Praxis Pneumol., v. 25 (11), 669-676
human pulmonary cysticercosis, diagnosis using radiology can be confirmed only by necropsy as radiologic appearance can not be differentiated from various other pulmonary conditions

Diagnosis, Cestoda
Bazan, P.; et al., 1976, Policlin., Roma. Sez. Chir., v. 83 (1-2), 113-118
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Diagnosis, Cestoda
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Diagnosis, Cestoda
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human alveolar echinococcosis, diagnosis and treatment assessment using arteriography

Diagnosis, Cestoda
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Taenia spp., morphological criteria for differentiation

Diagnosis, Cestoda
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human intestinal parasites, analysis of signs and symptoms related to infections, extensive review

Diagnosis, Cestoda
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human pulmonary cysticercosis, radiologic differential diagnosis, case report, clinical review: France (originally from Indochina)

Diagnosis, Cestoda
Blauenstein, U. W.; and Burger, J., 1973, Med. Welt, v. 24 (11), 395-401
echinococcosis, diagnosis of human hepatic infection using ultrasound

Diagnosis, Cestoda
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Diphyllobothrium, 4 species all raised in same experimental final host (Mesocricetus auratus), protein profiles from isoelectric focusing, chemotaxonomic methods possibly useful for identification and distinction of species

Diagnosis, Cestoda
Carbonell Antoli, C.; Alamo Salazar, O. R.; and Parrilla Paricio, P., 1973, Med. Espan. (416), an. 36, v. 70, 245-253
case reports of human hepatic echinococcal cysts with opening into the biliary tract, clinical management, surgical treatment and diagnostic problems pre- and post-operatively

Diagnosis, Cestoda
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pulmonary echinococcosis in children, radiologic diagnosis, clinical and surgical management

Diagnosis, Cestoda
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human thoracic echinococcosis, radiologic diagnosis and methods of surgical excision used in Bucarest, Romania

Diagnosis, Cestoda
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Echinococcus granulosus, diagnosis of human hepatic cyst by scintigraphy and ultrasound

Diagnosis, Cestoda
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Diagnosis, Cestoda
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Diagnosis, Cestoda
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human cysticercosis involving central nervous system, clinical, radiological and laboratory methods of diagnosis, review of most frequent presenting symptoms, surgical treatment with ventriculo-atrial shunt: Chile

Diagnosis, Cestoda
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human echinococcal cyst of spleen, case report, radiological and serological diagnosis: Yugoslavia

Diagnosis, Cestoda
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case report of cysticercus cyst of temporal lobe in Korean resident of United States, presenting symptoms of intermittent headaches followed by acute neurologic disturbances, diagnosis by tomography, successful surgical excision: California

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echinococcosis, intermediate hosts, brief scheme for laboratory diagnosis

Diagnosis, Cestoda
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human hepatic echinococcosis, value of radiologic diagnosis, types of complications associated with infections

Diagnosis, Cestoda
Giordano, C.; et al., 1976, Medecine Afrique Noire, v. 23 (1), 43-51
human Taenia solium, first reported case of cerebral cysticercosis, extensive clinical review, differential diagnosis using electroencephalograms: Ivory Coast

Diagnosis, Cestoda
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Taenia saginata, case report of tapeworm in butcher who routinely ate raw beef, radiologic manifestations and differentiation from Ascaris lumbricoides as seen on X-ray, atabrine: New York City

Diagnosis, Cestoda
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Coenurus cerebralis, diagnosis, possible confusion with rabies

Diagnosis, Cestoda
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clinical, diagnostic and epidemiologic review of human forms of echinococcosis

Diagnosis, Cestoda
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Echinococcus granulosus, pulmonary hydatid cysts in children, differential diagnosis by means of X-rays in cases masked by pneumonia, clinical case reports: Israel

Diagnosis, Cestoda
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Diagnosis, Cestoda
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Echinococcus hydatidosus, human, intrauterine cyst diagnosed by ultrasonic scanning, intracerebral cyst diagnosed by X-ray scanning

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Diagnosis, Cestoda
Jay, M.; and Petithory, J., 1974, Medecine Trop., v. 34 (3), 327-354
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Taenia saginata, prevalence in Denmark, Finland, Sweden and Norway, techniques of diagnosis

Diagnosis, Cestoda
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case report of human echinococcosis of thyroid, differential diagnosis from malignant tumor possible only after surgery: Yugoslavia

Diagnosis, Cestoda
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human cerebral cysticercosis, diagnosis using computed tomography of the head

Diagnosis, Cestoda
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human hepatic echinococcosis, hepatic scintigraphy more accurate for diagnosis than customarily employed diagnostic procedures

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Diagnosis, Cestoda
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human hepatic hydatid cyst, case report of echinococcosis with associated cholelithiasis with an obstructed bile duct and bronchobiliary fistula caused by draining pulmonary abscess, diagnosis by means of radioisotope scanning

Diagnosis, Cestoda
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Diagnosis, Cestoda
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selective coeliac arteriography in diagnosis of human echinococcal calcified hepatic cysts and pneumocysts

Diagnosis, Cestoda
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human pulmonary echinococcosis, aspiration biopsy of pulmonary lesions as means of diagnosis, case reports of clinical and surgical management: Ankara, Turkey

Diagnosis, Cestoda
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Diagnosis, Cestoda
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human hepatic echinococcosis, diagnosis using radioisotopes, analysis of liver function

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human echinococcosis, diagnostic liver scanning with methionine superior to scanning with labeled colloid solution

Diagnosis, Cestoda
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human hepatic echinococcosis, diagnosis using umbilicoportography to localize, surgical management

Diagnosis, Cestoda
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human echinococcosis of pyramidal muscle causing severe sciatica, clinical review, differential diagnosis, surgical management

Diagnosis, Cestoda
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Multiceps multiceps in humans manifesting as cerebral coenurosis, clinical case reports, diagnosis, pathology, cyst histology: Italy

Diagnosis, Cestoda
Piquard, B.; et al., 1974, Medecine Trop., v. 34 (1), 80-86
human splenic echinococcosis, clinical symptoms, diagnosis by X-ray, case reports

Diagnosis, Cestoda
Ramanathan, P.; Ganatra, R. D.; and Blau, M., 1974, J. Nuclear Med., v. 15 (11), 1021-1024
human hepatic echinococcosis and amoebiasis, dynamic bloodflow studies using scintillation cameras, differential diagnosis of benign and malignant lesions

Diagnosis, Cestoda
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Echinococcus granulosus, case report of woman with 5 primary hepatic cysts, diagnosis by radioisotope scanning: New York City (Greek native)

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extensive review of histochemical methods used in staining, diagnosing and studying parasites

Diagnosis, Cestoda
Sapunar, J.; and Klapp, J., 1966, Bol. Chileno Parasitol., v. 21 (2), 44-48
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Diagnosis, Cestoda
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guide to use of arecoline hydrobromide to diagnose Echinococcus granulosus and other tapeworms in dogs and as prophylactic measure to reduce pasture contamination and reinfections of animals

Diagnosis, Cestoda
Sharma, H. N.; and Tyagi, R. P. S., 1975, Indian Vet. J., v. 52 (6), 482-488
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Diagnosis, Cestoda
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Diagnosis, Cestoda
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case report of sparganum removed from nodule in subcutaneous tissue of woman's lower abdomen, probable transmission through contaminated water, migration of mass as possible diagnostic symptom: Philadelphia (recently moved from South Carolina)

Diagnosis, Cestoda
Timon-David, P.; and Andrac, A., 1976, Microbia, v. 2 (2), 49-63
Echinococcus granulosus, E. multilocularis, brief review

Diagnosis, Cestoda
Tomb, J. A.; and Matossian, R. M., 1976, Johns Hopkins Med. J., v. 139, suppl., 38-40
Echinococcus granulosus, pulmonary hydatid disease diagnosed in humans by demonstrating scoleces in stained sputum smears

Diagnosis, Cestoda
Truelle, J. L.; et al., 1974, Nouv. Presse Med., v. 3 (18), 1151-1153
Coenurus cerebralis, intraventricular cerebral coenurus in man suffering from chronic meningitis, diagnosed by isotopic ventriculography, successful surgical removal of cyst, clinical case report: North Africa, treated in France

Diagnosis, Cestoda
Vicary, F. R.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (1), 29-31
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Diagnosis, Cestoda
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tapeworms, human, algorithms in diagnosis and management

Diagnosis, Cestoda
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diagnostic review of human infections of Echinococcus cysticus and Echinococcus multilocularis

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Weill, F.; et al., 1975, Medecine and Chir. Digest., v. 4 (1), 35-37
echotomography in diagnosis of human hepatic echinococcosis

Diagnosis, Cestoda
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Cysticercus cellulosae, racemose form, differentiation for diagnostic purposes through electron microscopic differences in structure of wall of vesicles

Diagnosis, Cestoda
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human intestinal parasites, differential diagnosis of causes of diarrhea in hikers returning from visits to India: Netherlands

Diagnosis, Nematoda
Abaru, D. E.; and Denham, D. A., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (3), 367-369
Brugia pahangi, Dirofilaria immitis, no significant differences could be detected between nuclepore and millipore filter systems for collecting microfilariae, controlled laboratory trials

Diagnosis, Nematoda
Abaru, D. E.; and Denham, D. A., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 333-334
laboratory evaluation of new technique for counting microfilariae in blood, comparison with counting chamber method, possible advantages of new technique in field studies

Diagnosis, Nematoda
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pulmonary symptoms and eosinophilia associated with human parasitic infections, diagnostic and clinical review, need for increased awareness in travelers to endemic areas, immigrants and military personnel

Diagnosis, Nematoda
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Diagnosis, Nematoda
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Onchocerca spp., redescriptions, differentiation

Diagnosis, Nematoda
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Dirofilaria immitis, D. repens, Dipetalonema sp., microfilaria from dogs, staining for localization of acid phosphatase, detailed procedure, basis for diagnostic differentiation

Diagnosis, Nematoda
Barrett-Connor, E.; et al., 1976, J. Infect. Dis., v. 133 (4), 473-477
Trichinella spiralis, outbreak in campers after eating roasted wild pig, diagnosis by eosinophilia and sero-immunologic studies; diagnostic test comparisons, skin-test antigen inconclusive: California (infected in Hawaii)

Diagnosis, Nematoda
Barsanti, J. A.; Kristensen, F.; and Drumheller, F. B., 1977, Am. J. Vet. Research, v. 38 (7), 1055-1058
Dirofilaria immitis, dogs, analysis of serum proteins using agarose electrophoresis, relationship of differences in concentration of protein fractions to differences in age, sex, and infected vs. non-infected dogs

Diagnosis, Nematoda
Bernstein, R. B., 1977, Am. J. Digest. Dis., v. 22 (4), 391-394
Ascaris lumbricoides, biliary ascariasis in young girl with resulting chronic dilatation of the biliary system, diagnosis using intravenous cholangiography and ERCP radiography, clinical case report with emphasis on need for diagnostic awareness in persons originating from endemic areas: Oakland, California (native of Philippines)

Diagnosis, Nematoda
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Anisakis simplex larvae, description, morphology with particular reference to excretory system; comparative morphology of larvae from Clupea harengus harengus and Salmo salar in widely separated areas of North Atlantic suggest that Anisakis larvae Type I is A. simplex, findings substantiated by acid phosphatase polymorphism studies

Diagnosis, Nematoda
Biagi, F.; Lopez, R.; and Viso, J., 1975, Progr. Drug Research, v. 19, 10-22
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Diagnosis, Nematoda
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first reported case of human eosinophilic meningoencephalitis in West Malaysia, history of eating raw prawns and salad greens, diagnosis, case report: Kuala Lumpur

Diagnosis, Nematoda
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calcified filaria of Dracunculus medinensis localized in boney areas and joints, differential diagnosis from osteo-arthritis, humans

Diagnosis, Nematoda
Braide, E. I.; and Georgi, J. R., 1974, Cornell Vet., v. 64 (2), 233-239
equine cyathostomes, number of external leaf crown elements, unsuitable for generic classification but provides relatively constant character at species level

Diagnosis, Nematoda
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Onchocerca volvulus, humans, simplified modifications of the microtitration plate technique for determining microfilariae densities in skin snips, use in epidemiologic surveys

Diagnosis, Nematoda
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comparison of serum proteins of healthy subjects and those of persons with untreated malaria, hookworm or schistosomiasis, possible diagnostic value: Zambia

Diagnosis, Nematoda
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Onchocerca volvulus, human, diagnosis, dimensions of skin snips obtained with modified scleral punch (weight, surface size, largest diameter), pattern of emergence of microfilariae: Liberia

Diagnosis, Nematoda
Brinkmann, U. K., 1976, Tropenmed. u. Parasitol., v. 27 (1), 50-56
Wuchereria bancrofti, humans, effect of periodicity on microfilaremia prevalence surveys with assessment of variations in density if surveying in sub-peak hours: Liberia

Diagnosis, Nematoda
Capdevielle, P.; et al., 1975, Medecine Trop., v. 35 (5), 426-428
human ancylostomiasis, decreased prothrombin time as possible indicator of presence of infection

Diagnosis, Nematoda
Cavallo, G., 1974, Pediatria, Napoli, v. 82 (4), 628-653
Enterobius vermicularis, extensive morphologic and clinical review of infection in humans

Diagnosis, Nematoda
Chalifoux, L. V.; et al., 1973, Lab. Animal Sc., v. 23 (2), 211-220
differentiation of 11 types of circulating microfilariae in blood smears from 7 spp. of New World monkeys based on differences in histochemical localization of acid phosphatase: New England Regional Primate Research Center

Diagnosis, Nematoda
Chiejina, S. N., 1977, Vet. Rec., v. 100 (6), 120
Ostertagia sp., adult cattle, diagnosis based on plasma pepsinogen levels, discrepancies, unreliable for diagnosis

Diagnosis, Nematoda
Chlebowsky, H. O.; and Zielke, E., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 181-182 [Letter]
Wuchereria bancrofti, Onchocerca volvulus in humans, diagnosis of microfilaruria using a modified membrane filter technique; application also to filtration of eggs from urine of persons suspected to have schistosomal infections: Liberia, West Africa

Diagnosis, Nematoda
Christofferson, P. V., 1976, Vet. Med. and Small Animal Clin., v. 71 (4), 489-492
Dirofilaria immitis, Dipetalonema reconditum, diagnosis, Difil Test, possible problems and artifacts, necessary precautions in use

Diagnosis, Nematoda
Cironeanu, I., 1975, Rev. Crest. Animalelor, v. 25 (2), 81-82
Sarcocystis miescheriana, Trichinella spiralis, differential diagnosis of cysts

Diagnosis, Nematoda
Clements, O.; Hamilton, A. F.; and Redahan, E., 1977, Vet. Rec., v. 100 (9), 187 [Letter]
ostertagiasis, calves, importance of serum pepsinogen levels in diagnosis

Diagnosis, Nematoda
Coop, R. L.; Sykes, A. R.; and Angus, K. W., 1976, Research Vet. Sc., v. 21 (3), 253-258
Trichostrongylus colubriformis, lambs, subclinical infection, reduced growth rate and food intake, hypophosphataemia, hypoalbuminaemia, hyperglobulinaemia; possible use of plasma constituents in diagnosis

Diagnosis, Nematoda
Coop, R. L.; Sykes, A. R.; and Angus, K. W., 1977, Research Vet. Sc., v. 23 (1), 76-83
Ostertagia circumcincta, sheep (exper.), continuous small infections, clinical observations, body weight and food intake, worm populations and faecal egg count, pathology, concentrations of serum constituents and assessment of their value in diagnosis of sub-clinical ostertagiasis

Diagnosis, Nematoda
Dennis, D. T.; McConnell, E.; and White, G. B., 1976, Am. J. Trop. Med. and Hyg., v. 25 (2), 257-262
Wuchereria bancrofti, human, diagnosis by Nuclepore filter more sensitive than conventional methods (thick film, counting chamber), increasing volume of blood filtered from 1 to 5 ml increased numbers of carriers identified, filtering 5 ml of day blood is as sensitive as filtering 5 ml of night blood: southwestern Ethiopia

Diagnosis, Nematoda
Denzler, T. B.; and Gunning, J.-J., 1976, Arch. Int. Med., Chicago, v. 136 (9), 1044-1045
recently immigrated Vietnamese refugee with acute abdominal symptoms resulting from intestinal infection with Ascaris lumbricoides, radiologic diagnosis and piperazine treatment, case report: California

Diagnosis, Nematoda
Diesfeld, H. J.; Dutta, S. N.; and Braun-Munzinger, R., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 439-446
Wuchereria bancrofti-endemic area, survey of 225 Indians, microfilaremia, fluorescent antibody titer, clinical manifestations, eosinophilia, immunoglobulin levels: Dhanbad/Asansol, India

Diagnosis, Nematoda
Dorfmann, H.; and de Seze, C., 1972, Nouv. Presse Med., v. 1 (15), 1013-1016
dracunculosis in man, filarial arthritic infection in man's knee joint diagnosed by arthroscopy, clinical case report: France (had resided in Mali)

Diagnosis, Nematoda
Dyer, W. G., 1972, Tr. Illinois Acad. Sc., v. 65 (1-2), 23-25
Mastophorus numidica, morphology, presence or absence of pseudolabial teeth, shape of stoma and form of spicules are most reliable characters for separating species of Mastophorus

Diagnosis, Nematoda
Evans, K., 1977, Austral. Vet. Practitioner, v. 7 (3-4), 224-226
canine heartworm disease, techniques in diagnosis, use of wet smear test and thorough clinical examination

Diagnosis, Nematoda
Farstad, L., 1975, Norsk Vet.-Tidsskr., v. 86 (4), 247-253
Anisakis marina, life cycle, morphology, clinical aspects of human disease, diagnosis, control, review

Diagnosis, Nematoda
Fay, J. T. ; and Disque, F. C., 1977, Oral Surg., v. 43 (6), 898-901
Strongyloides stercoralis systemic infection in Vietnamese woman discovered as a result of routine biopsy and excision of impacted molar, increased eosinophilia led to medical work-up for possible parasitism, case history, successful treatment with dithiazanine: Georgia

Diagnosis, Nematoda
Foley, R. H., 1976, Canine Pract., Santa Barbara, v. 3 (6), 8-10 [Letter]
Dirofilaria immitis, microfilaruria, technique for differentiating urinary protein abnormalities in urine of dogs simultaneously having heartworm and renal and/or bladder disease: Florida

Diagnosis, Nematoda
Ford, G. E., 1976, Pathophysiol. Parasit. Infect., 83-97
trichostrongylid parasitism of ruminants (with emphasis on Ostertagia in cattle), blood pepsinogen estimations: seasonal variation in relation to climate; clinical significance (diagnosis, pathogenesis, response to anthelmintic treatment); parasitological significance; production significance; review

Diagnosis, Nematoda
Fuglsang, H.; et al., 1976, Tropenmed. u. Parasitol., v. 27 (3), 365-369
Onchocerca volvulus in humans, variations in concentrations of microfilariae in diagnostic skin snips suggests seasonal variation corresponding to climatic changes or to biting activity of Simulium vectors

Diagnosis, Nematoda
Fuglsang, H.; and Anderson, J., 1977, Tropenmed. u. Parasitol., v. 28 (1), 63-67
Onchocerca volvulus in humans, incidence survey using corneoscleral punch-microtiter plate quantitative skin snip technique, concentration of microfilariae in skin near eye used as simple measure of severity of infection and indicator of people at risk in developing eye pathology: Cameroon

Diagnosis, Nematoda
Gabryel, P.; and Gustowska, L., 1970, Patol. Polska, v. 21 (1), 55-67
human trichinosis, morphologic and histochemical analysis of pathologic changes in diagnostic muscle biopsy material

Diagnosis, Nematoda
Gentilini, M.; Pinon, J. M.; and Danis, M., 1973, Medecine et Malad. Infect., v. 3 (8-9), 351-353
diagnostic review of human filariasis

Diagnosis, Nematoda
Georgi, J. R.; Georgi, M. E.; and Cleveland, D. J., 1977, Parasitology, v. 75 (2), 251-257
Filaroides hirthi, dogs (nat. and exper.), diagnosis, zinc sulphate flotation more efficient than Baermann technique in concentrating larvae from feces, larvae recovered from feces proved infective and it was concluded that infection can be transmitted directly and immediately by fresh fecal contamination, mongrel dogs as well as beagles can be infected, finding of larvae in mesenteric lymph nodes long after single exposure to exogenous infection supports hypothesis of autogenous re-infection of host by proportion of larvae migrating from lungs to anus

Diagnosis, Nematoda
Gold, B. M.; and Meyers, M. A., 1977, Am. J. Roentgenol., v. 128 (3), 493-494
Taenia saginata, case report of tapeworm in butcher who routinely ate raw beef, radiologic manifestations and differentiation from Ascaris lumbricoides as seen on X-ray, atabrine: New York City

Diagnosis, Nematoda
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algorithms in the diagnosis and management of human Strongyloides stercoralis

Diagnosis, Nematoda
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Diagnosis, Nematoda
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Diagnosis, Nematoda
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Trichinella spiralis, experimental infection of white mice with standard dose, comparison of three methods of measuring infection (direct count, artificial digestion, homogenization), statistical analysis, artificial digestion least accurate technique

Diagnosis, Nematoda
Gustowska, L.; Gabryel, P.; and Zeromski, J., 1970, Patol. Polska, v. 21 (4), 663-669
human Trichinella spiralis, high specificity of immunofluorescence test demonstrated in diagnostic comparisons with muscle biopsy, biopsy recommended after obtaining positive results with immunofluorescence in order to assess degree of muscle invasion and damage

Diagnosis, Nematoda
Hayden, D. W.; and Van Kruiningen, H. J., 1975, Am. J. Vet. Res., v. 36 (11), 1605-1614
Toxocara canis, dogs (exper.), eosinophilic gastroenteritis, hematologic findings, serum proteins (β-globulin content as potential diagnostic tool), precipitating humoral antibodies, intradermal test, histopathology, comparison with naturally occurring disease

Diagnosis, Nematoda
Hills, J., 1976, Austral. Vet. Practitioner, v. 6 (1), 7 [Letter]
Dirofilaria immitis, cat, dog; Dipetalonema reconditum, dog, diagnosis

Diagnosis, Nematoda
Hira, P. R.; and Patel, B. G., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 640-643
Strongyloides fuelleborni rhabditiform larvae and eggs cultured to free living adults obtained from human feces, discussion of differential diagnosis from S. stercoralis, prominent morphologic features, mode of human infections, survey of prevalence in predominantly urban and suburban areas of Zambia

Diagnosis, Nematoda
Hsieh, H. C., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 568 [Demonstration]
Ancylostoma duodenale, Necator americanus and Strongyloides stercoralis-related spp., differentiation of species using a modified test-tube filter-paper culture

Diagnosis, Nematoda
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reference outline to common heart disease syndromes in dogs

Diagnosis, Nematoda
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gastrointestinal hemorrhage as presenting symptom of human hookworm disease, clinical management, need for diagnostic awareness in non-endemic areas

Diagnosis, Nematoda
Ishihara, K.; et al., 1977, Japan. J. Vet. Sc., v. 39 (3), 255-264
dirofilariasis, canine, serum lipoproteins in relation to stage and intensity of infection, possible clinical and diagnostic value

Diagnosis, Nematoda
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Diagnosis, Nematoda
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Diagnosis, Nematoda
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Strongyloides stercoralis, diagnostic radiologic findings in human infections

Diagnosis, Nematoda
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Dirofilaria immitis, dog, complete diagnostic regime, case report

Diagnosis, Nematoda
Kassur, B.; Januszkiewicz, J.; and Poznanska, H., 1970, Mater. Med. Pol. (4), v. 2 (2-3), 32-43
experimental and human trichinosis, changes in enzyme activity in serum and muscle tissue, possible relationships to pathologic processes and diagnosis

Diagnosis, Nematoda
Kelly, J. D., 1973, Austral. Vet. J., v. 49 (1), 23-27
Dirofilaria immitis, Dipetalonema sp., detection and differentiation of microfilariae in canine blood, comparison of techniques, modified Knott technique and modified filter technique most reliable and consistent for detection; morphological and physiological features considered collectively is recommended for positive identification, striking difference in acid phosphatase activity offers most accurate method of differentiation

Diagnosis, Nematoda
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extensive review of techniques used to diagnose human parasitic diseases

Diagnosis, Nematoda
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Trichinella spiralis, reliability of enzyme-linked immunosorbent assay as control method for detection of infections in naturally infected slaughter pigs, compared with direct methods of diagnosis (trichinoscopy; digestion method) and other serological tests (immunofluorescence; counterelectrophoresis; Ouchterlony agar gel diffusion)

Diagnosis, Nematoda
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modified trichinoscope for parasitological examination

Diagnosis, Nematoda
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Trichinella spiralis, quantitative data on reproductive potential of male and female worms in mice, occurrence of multiple inseminations; presence or absence of larvae in diaphragm of a mouse can be used as an absolute criterion to confirm or rule out infection

Diagnosis, Nematoda
Krzaczynski, J.; and Daehler, M. H., 1973, J. Am. Vet. Med. Ass., v. 162 (5), 397-398
Dirofilaria immitis, dog (right atrium, pulmonary artery), contrast radiography as a diagnostic aid

Diagnosis, Nematoda
Kvasz, L., 1972, Ceskoslov. Pediat., v. 27 (11), 555-557
Enterobius vermicularis in children, Graham-Brumpt method superior to other method used for diagnostic surveys: Bratislava

Diagnosis, Nematoda
Laurens, A.; et al., 1973, Medecine et Armees, v. 1 (4), 61-64
woman, hemato-chyluria of filarial origin, diagnosis by lymphography, case report, diethylcarbamazine

Diagnosis, Nematoda
Lichtenfels, J. R.; and Brancato, F. P., 1976, Am. J. Trop. Med. and Hyg., v. 25 (5), 691-693
Phocanema sp., fourth-stage larva, pulled from throat of Eskimo, case report, parasite morphology: Alaska

Diagnosis, Nematoda
Limbos, P., 1971, Medecine Afrique Noire, v. 18 (3), 269-271
Onchocerca volvulus, pruritus and skin manifestations in human onchocerciasis, variations between Europeans and Africans, differential diagnosis

Diagnosis, Nematoda
Lozoff, B.; Warren, K. S.; and Mahmoud, A. A. F., 1975, J. Infect. Dis., v. 132 (5), 606-610
Necator americanus, Ancylostoma duodenale, human, algorithms in diagnosis and management, mebendazole

Diagnosis, Nematoda
Lupi, D.; et al., 1975, Med. Arh., v. 29 (6), 605-608
clinical aspects of small epidemic of human trichinosis in rural village, diagnostic measures, successful treatment with mintezole: Lipovica, Yugoslavia

Diagnosis, Nematoda
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post-mortem recovery of Haemonchus contortus, Ostertagia spp., Trichostrongylus axei, sheep, peptic digestion of ovine abomasa unlikely to be of diagnostic value for field-submitted specimens

Diagnosis, Nematoda
Magdeleine, J.; et al., 1974, Medecine Afrique Noire, v. 21 (8-9), 651-655
Mammomonogamus nasicola, human infections, clinical findings, diagnosis by bronchoscopy, possible reservoir hosts, epidemiology, relative frequency in Martinique

Diagnosis, Nematoda
Metge, P.; et al., 1974, Medecine Trop., v. 34 (5), 625-632
human ocular onchocerciasis, localization in paracentral temporal area characteristic of chorioretinal involvement and probable point of microfilarial penetration, diagnosis by angiofluorography

Diagnosis, Nematoda
Moraes, M. A. P., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 16 [Demonstration]
Mansonella ozzardi in humans, diagnosis comparing microfilariae revealed in bloodless skin snips and in blood: Brazil

Diagnosis, Nematoda
Nauriyal, D. C.; and Rai, P., 1976, Agra Univ. J. Research, v. 23 (3), 1974, 75-84
Ascaridia galli, immature stages, chickens (exper.), serum enzymes (alkaline and acid phosphatase, cholinesterase) and gamma globulin levels, histochemical changes, diagnostic value, results indicate significant rise of serum alkaline phosphatase and parallel histochemical changes; acid phosphatase, cholinesterase, and gamma globulin not useful in diagnosis

Diagnosis, Nematoda
Nelson, G. S.; et al., 1975, J. Helminth., v. 49 (4), 301-303
xeroradiographic visualization of trichinae in polar bear muscle

Diagnosis, Nematoda
Nelson, G. S.; et al., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 10 [Demonstration]
Trichinella [sp.] cysts, visualization in polar bear diaphragm muscle using xeroradiography: London Zoological Society Garden (imported from Moscow Zoo)

Diagnosis, Nematoda
Nelson, G. S.; and Davies, J. B., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 16-17 [Demonstration]
Mansonella ozzardi, humans, epidemiologic survey, concentration of microfilariae in superficial capillaries, mixed infections with Wuchereria bancrofti differentiated using stained filters: Trinidad

Diagnosis, Nematoda
Okumura, M.; et al., 1975, Med. and Surg., Bombay, v. 15 (8), 8-13
acute intestinal obstruction resulting from Ascaris lumbricoides, review of 455 cases observed in young children, differential diagnosis, pathologic findings, clinical management: Sao Paulo

Diagnosis, Nematoda
Omar, M. S., 1977, Tropenmed. u. Parasitol., v. 28 (1), 100-108
Wuchereria bancrofti, Brugia malayi, B. pahangi, Dirofilaria immitis, distribution of acid phosphatase activity in larval stages in the mosquito, presence or absence of enzymic activity in the excretory cell complex and amphids of developing larvae useful as adjunctive diagnostic method

Diagnosis, Nematoda
Onuigbo, W. I. B., 1975, Brit. J. Clin. Pract., v. 29 (11), 290-291
differential diagnosis of nodules of onchocerciasis, frequently misdiagnosed as cancers, benign tumors or lymph nodes: Nigeria

Diagnosis, Nematoda
Ooms, L.; et al., 1976, Vlaams Diergeneesk. Tijdschr., v. 45 (9-10), 290-299
helminthiasis in horses with particular reference to verminous aneurysms (Str[ongylus] vulgaris), diagnosis, value of electrophoresis of serum proteins in addition to clinical and coprological examination

Diagnosis, Nematoda
Orlov, I. V.; Britov, V. A.; and Boev, S. N., 1976, Vestnik Sel'skokhoz. Nauki (243) (12), 61-68
Trichinella spp., experimental hybridization between species shows very limited crossing, reproductive isolation; useful technique for species diagnosis

Diagnosis, Nematoda
Oster, Z., 1976, J. Nuclear Med., v. 17 (5), 425-426
elderly man with supraclavicular mass visible on bone scan, biopsy of mass revealed nematode cysts, probably filariasis of Dirofilaria immitis origin

Diagnosis, Nematoda
Otto, G. F.; et al., 1976, J. Am. Vet. Med. Ass., v. 168 (7), 605-607
Dirofilaria immitis, dogs (exper.), number of circulating microfilariae is not an index of the number of adult heartworms or the severity of disease, reduced numbers of microfilariae per adult occur with increased numbers of adults, possible mechanisms

Diagnosis, Nematoda
Petrick, S. W., 1977, J. South African Vet. Ass., v. 48 (2), 105-107
Spirocerca lupi, Filaroides osleri, ascarids, dogs, gastrointestinal fibrescope, useful diagnostic aid

Diagnosis, Nematoda
Pradhan, S.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 199-200
Wuchereria bancrofti, human, microfilariae detected in bone marrow smears in seven cases of anemia (probably incidental and unrelated) in persons with asymptomatic filariasis

Diagnosis, Nematoda
Purnomo; Dennis, D. T.; and Partono, F., 1977, J. Parasitol., v. 63 (6), 1001-1006
Brugia timori, morphologic description with comparison to B. malayi

Diagnosis, Nematoda
Quirolgico, E. O., 1973, Philippine J. Pediat., v. 22 (2), 70-73
enterobiasis in children, 1-year comparative study, perianal inspection most practical and accurate method of diagnosis for use in private practice

Diagnosis, Nematoda
Redington, B. C.; et al., 1975, Ann. Trop. Med. and Parasitol., v. 69 (4), 489-492
Brugia pahangi, sub-periodic B. malayi, microfilariae, differentiation on basis of specific distribution of acid phosphatase activity, superior to previously used morphologic and biologic methods for differentiating these 2 microfilarial spp.

Diagnosis, Nematoda
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extensive review of histochemical methods used in staining, diagnosing and studying parasites

Diagnosis, Nematoda
Rodhain, F.; and Rodhain-Rebourg, F., 1975, Medecine Trop., v. 35 (4), 267-273
importance of knowledge of animal filariasis in diagnosing human infections, review

Diagnosis, Nematoda
Rousset, J. J.; et al., 1976, Nouv. Presse Med., v. 5 (28), 1760 [Letter]
human ascariasis in man diagnosed by x-ray discovery of calcified Ascaris in peritoneum: France

Diagnosis, Nematoda
Ruitenberg, E. J.; et al., 1976, Nederl. Tijdschr. Geneesk., v. 120 (15), 645-649
Toxocara canis, survey of 253 children for complement-fixing antibodies against Toxocara shows low incidence; eosinophilia attributed to presence of Enterobius vermicularis: Netherlands

Diagnosis, Nematoda
Ruitenberg, E. J.; and van Knapen, F., 1977, Vet. Parasitol., v. 3 (4), 317-326
Trichinella spiralis, pigs, enzyme-linked immunosorbent assay as diagnostic method, comparison with conventional digestion method

Diagnosis, Nematoda
Sagua, H.; and Poblete, H., 1976, Bol. Chileno Parasitol., v. 31 (1-2), 6-7
Enterobius vermicularis in boys in boarding schools, diagnostic comparisons of Graham's scotch tape method and a modified Graham's technique: Antofagasta, Chile

Diagnosis, Nematoda
Sanyal, R. K.; et al., 1976, Internat. Arch. Allergy and Applied Immunol., v. 50 (3), 291-296
adrenaline-induced increase in eosinophil count in patients with tropical pulmonary eosinophilia and in Ascaris larvae-fed guinea pigs, possible use as diagnostic test of tropical pulmonary eosinophilia

Diagnosis, Nematoda
Sapunar, J.; and Szekely, R., 1977, Bol. Chileno Parasitol., v. 32 (1-2), 31-36
Trichinella spiralis, analysis of clinical findings in 76 persons with trichinosis, symptoms, pathology, findings possibly useful as prognosis index

Diagnosis, Nematoda
Scheiber, P.; et al., 1976, Bull. World Health Organ., v. 53 (4), 472-475
human Onchocerca volvulus, membrane filter concentration technique for epidemiologic field studies, comparison with standard techniques showed that new technique resulted in increased incidence of observed prevalence and density of microfilariae

Diagnosis, Nematoda
Scheiber, P.; Braun-Munzinger, R. A.; and Southgate, B. A., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 19 [Demonstration]
Onchocerca volvulus, humans, comparison of the millipore membrane-concentration technique and the standard skin snip technique for use as epidemiologic tools in field surveys: Togo

Diagnosis, Nematoda
Scheiber, P.; Braun-Munzinger, R. A.; and Southgate, B. A., 1976, Tropenmed. u. Parasitol., v. 27 (2), 224-228
epidemiologic survey in endemic area of nocturnally periodic Wuchereria bancrofti to compare use of conventional blood films and the membrane filtration concentration technique in detecting infections: Togo

Diagnosis, Nematoda
Schenone, H.; et al., 1970, Bol. Chileno Parasitol., v. 25 (3-4), 113-117
Enterobius vermicularis, human, comparison of anal swabs and direct fecal examination in diagnosis, value of serial examinations

Diagnosis, Nematoda
Selman, I. E.; et al., 1976, Vet. Rec., v. 99 (3), 141-143
Ostertagia ostertagi, outbreaks of ostertagiasis affecting adult beef cattle, clinical, biochemical, haematological, parasitological and pathological findings characteristic of type II ostertagiasis in immature cattle, diagnosis

Diagnosis, Nematoda
Sergeeva, T. P., 1969, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 20, 146-155
comparison of Pectinospirura multidentata and P. argentata, differential diagnosis

Diagnosis, Nematoda
Setasuban, P., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (4), 519-523
infective larvae of Ancylostoma tubaeforme and A. caninum differentiated by scanning electron microscopy

Diagnosis, Nematoda
Setasuban, P., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (1), 114-115
Ancylostoma tubaeforme, differentiation from A. caninum using Sarles phenomenon: precipitation around openings of third stage larvae of A. tubaeforme in presence of homologous antisera, no precipitation with A. caninum

Diagnosis, Nematoda
Sharma, B. N.; Singh, S. P.; and Sahai, B. N., 1977, Pantnagar J. Research, v. 2 (2), 188-189
Setaria digitata, S. cervi, blood of rabbits (exper.), differences in morphology of microfilariae

Diagnosis, Nematoda
Shava, F. H. M.; and Lewis, J. W., 1977, Parasitology, v. 75 (2), xxv-xxvi [Abstract]
Syphacia stroma, S. obvelata, S. mesocriceti, differences in general body surface, lip regions, eggs, and mamelons, scanning electron microscopy

Diagnosis, Nematoda
Shields, J. A.; Lerner, H. A.; and Felberg, N. T., 1977, Am. J. Ophth., Chicago, v. 84 (3), 319-322
probable Toxocara endophthalmitis in child with white fundus mass in right eye, differential diagnosis from retinoblastoma on basis of increased eosinophilia and normal lactate dehydrogenase levels in aqueous aspiration, conservative treatment resulted in resolution of eye mass: Philadelphia, Pennsylvania

Diagnosis, Nematoda
Shipton, E. A.; McInerney, R. J. F.; and Hulbert, L., 1973, Med. J. Australia, v. 1 (20), 1014
Enterobius vermicularis ova discovered in vaginal smear of adult woman, routine wet films from vaginal discharge recommended for diagnosis: Australia

Diagnosis, Nematoda
Sinha, A. K.; and Sahai, B. N., 1976, Indian J. Med. Research, v. 64 (8), 1192-1196
morphological determinations of eggs and infective larvae recovered from dogs and human sources to establish Ancylostoma duodenale and A. caninum as sources of infections in Patna, Bihar, India

Diagnosis, Nematoda
Sivanandam, S.; and Dondero, T. J., jr., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (3), 415 [Demonstration]
description of simplified, non-breakable Sinton pipette useful in filariasis surveys and research where measured thick blood smears are required

Diagnosis, Nematoda
Sivanandam, S.; and Fredericks, H. J., 1966, Med. J. Malaya, v. 20 (4), 337-338
comparison of relative lengths of Innenkorper (central viscus) in differential diagnosis of Brugia pahangi and Brugia malayi

Diagnosis, Nematoda
Skvortsov, V. G., 1971, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (7), 75-93
differential diagnosis of Molinostrongylus spp. from Microchiroptera, includes: M. skrjabini; M. alatus; M. delicatus: M. heydoni; M. ornatus; M. rhinolophi; M. tipula; M. panousei; M. pseudoornatus; M. vespertilionis; M. dollfusi; M. longispicula; M. spasskii

Diagnosis, Nematoda
Slocombe, J. O. D.; et al., 1977, Canad. J. Comp. Med., v. 41 (2), 137-145
Strongylus vulgaris, ponies, value of arteriography for revealing vascular lesions

Diagnosis, Nematoda
Snobl, A.; and Kuklik, K., 1976, Veterinarstvi, v. 26 (6), 272-273
trichinosis, examination of swine meat under large-scale conditions by digestive method

Diagnosis, Nematoda
Soroczan, W., 1976, Ann. Univ. Mariae Curie-Skłodowska, Sect. C, Biol., v. 31, 281-289
Strongyloides stercoralis, morphology of developmental forms of parasitic and free-living generations, diagnosis determined by morphological features of filariform larvae only after 48 hours of culture

Diagnosis, Nematoda
Southgate, B. A., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (3), 177-186
human bancroftian filariasis, simultaneous trials using 4 known field techniques to diagnose microfilaremia in order to obtain comparative epidemiologic profiles: Fiji

Diagnosis, Nematoda
Stuerchler, D.; and Degremont, A., 1976, Schweiz. Med. Wchnschr., v. 106 (20), 682-688
extensive diagnostic and clinical review of filarial parasites frequently encountered by travelers to endemic tropical areas: Switzerland

Diagnosis, Nematoda
Suberman, R. I., 1976, Pediat. Ann., v. 5 (1), 32-48
Ascaris in children, dead worms in cecum after therapy as cause of intestinal obstruction and constipation, diagnosis by X-ray examination

Diagnosis, Nematoda
Sucharit, S.; et al., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (4), 549-554
Wuchereria bancrofti, Brugia spp., attempted differentiation using morphological characteristics

Diagnosis, Nematoda
Sullivan, T. J. III; Carnahan, V. A.; and Cutting, R. T., 1970, Mil. Med., v. 135 (9), 797-798
Wuchereria bancrofti, soldier returned from Vietnam, filariasis without microfilaremia, diagnostic difficulties, need for awareness in returning military personnel

Diagnosis, Nematoda
Sumnaliev, P., 1973, Izvest. Tsentral. Khelmint. Lab., v. 16, 161-167
Neostrongylus linearis, Muellerius capillaris, Cystocaulus ocreatus, Protostrongylus sp., differential diagnosis of infective larvae based on biometric studies

Diagnosis, Nematoda
Tada, I.; Iwamoto, I.; and Wonde, T., 1973, Nettai Igaku (Trop. Med.), v. 15 (2), 121-122
Onchocerca volvulus, humans, evaluation of current skin snip method used for diagnosis and recommendation for improvement

Diagnosis, Nematoda
Terwedow, H. A., jr.; and Huff, R. L., 1976, J. Parasitol., v. 62 (1), 172-174
Wuchereria bancrofti microfilariae, localization and pattern of acid phosphatase activity, possible taxonomic tool in differentiating microfilariae of different species but strain and technique variation must be taken into account

Diagnosis, Nematoda
Thomas, R. J.; and Waller, P. J., 1975, Vet. Rec., v. 97 (24), 468-471
Ostertagia circumcincta, lambs naturally infected on pasture from spring to autumn, faecal egg counts, worm counts, serum pepsinogen levels, body weights, correlations; serum pepsinogen estimations as possible diagnostic test

Diagnosis, Nematoda
Thomsen, D. U., 1976, Medlemsbl. Danske Dyrlaegeforen., v. 59 (11), 481-490
Trichinella, improved diagnostic technique for pig meat post mortem using digestion in Colsworth Stomacher 3500; 50% better results than trichinoscopic method, time reduced from six hours to one

Diagnosis, Nematoda
Torres, P.; Figueroa, L.; and Navarrete, N., 1972, Bol. Chileno Parasitol., v. 27 (1-2), 52-55
Trichostrongylus spp. survey in humans, morphological differentiation for diagnosis: Chile

Diagnosis, Nematoda
Vargas, L., 1976, Rev. Invest. Salud Pub., Mexico, v. 36 (3), 185-186
human onchocerciasis, possible diagnosis of onchocercoma using xeroradiography

Diagnosis, Nematoda
Viens, P.; and Beal, C. B., 1973, Medecine Afrique Noire, v. 20 (12), 1009-1011
Strongyloides stercoralis, human diagnosis and evaluation of thiabendazole treatment using duodenal intubation

Diagnosis, Nematoda
Warren, K. S.; and Mahmoud, A. A. F., 1975, J. Infect. Dis., v. 132 (2), 229-232
Enterobius vermicularis, life cycle, epidemiology, disease syndromes, diagnosis, management (sanitary measures of no avail, mebendazole effective)

Diagnosis, Nematoda
Warren, K. S.; and Mahmoud, A. A. F., 1976, J. Infect. Dis., v. 133 (2), 240-243
Trichuris trichiura, epidemiologic, clinical and diagnostic review of human trichuriasis

Diagnosis, Nematoda
Warren, K. S.; and Mahmoud, A. A. F., 1977, J. Infect. Dis., v. 135 (5), 868-872
human ascariasis and toxocariasis, algorithms in diagnosis and clinical management

Diagnosis, Nematoda
Watson, A. D. J.; Testoni, F. J.; and Porges, W. L., 1973, Austral. Vet. J., v. 49 (1), 28-30
Dirofilaria immitis, Dipetalonema reconditum, comparison of microfilarial characteristics isolated by modified Knott and filter methods, results suggest consideration of mean microfilarial length and numbers on filter may permit accurate differentiation of microfilariae in canine blood

Diagnosis, Nematoda
Webber, R. H., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 537-538 [Letter]
human microfilaria, comparison of use of counting chamber and measured blood films for epidemiologic estimations, survey of Wuchereria bancrofti-endemic area in the Solomon Islands

Diagnosis, Nematoda
Weinand, H. A.; Broicher, K.; and Lieb, W., 1974, Med. Welt, v. 25 (31-32), 1283-1285
ascariasis, child, differential diagnosis by laparoscopy and histologic examination of liver

Diagnosis, Nematoda
Whitehead, R., 1973, Major Problems Path., v. 3, 105-110
human intestinal infection, diagnosis, pathological appearance of mucosal biopsy of gastrointestinal tract

Diagnosis, Nematoda
Williams, J. F.; et al., 1977, J. Am. Vet. Med. Ass., v. 170 (7), 714-716
Dirofilaria immitis, dogs, diagnostic techniques, evaluation of polycarbonate filter found superior to cellulose filter system

Diagnosis, Nematoda
Zuidema, P. J., 1976, Nederl. Tijdschr. Geneesk., v. 120 (21), 901-906
human intestinal parasites, differential diagnosis of causes of diarrhea in hikers returning from visits to India: Netherlands

Diagnosis, Nematoda
Zuidema, P. J., 1976, Nederl. Tijdschr. Geneesk., v. 120 (43), 1849-1854
human intestinal helminths, differential diagnosis and clinical management of parasitic infestations seen in immigrants from Surinam: Netherlands

Diagnosis, Protozoa
Al-Khateeb, G. H.; and Hansen, M. F., 1973, Avian Dis., v. 17 (2), 269-273
Histomonas meleagridis, turkeys (exper.), plasma glutamic oxalacetic transaminase level, correlation with number of liver lesions, salfuride treatment reduced number of liver lesions and lowered plasma GOT levels, useful as indicator of course of disease and for screening potential histomonastats

Diagnosis, Protozoa
Al-Khateeb, G. H.; and Hansen, M. F., 1974, Avian Dis., v. 18 (4), 507-514
Histomonas meleagridis, turkeys and chickens (both exper.), plasma enzyme levels used to evaluate susceptibility according to breed and age of host, duration of infection in chickens, effect of route of inoculation, and effect on virulence of the age of in vitro subcultures

Diagnosis, Protozoa
Allen, D. J., 1976, Proc. North Dakota Acad. Sc., v. 30, Part I, 1
Acanthamoeba culbertsonii, scanning electron microscopy, comparison of culture specimens with cells from infection, surface micro appendages, possible use of SEM in diagnosis

Diagnosis, Protozoa
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human amoebiasis, radiologic visualization of hepatic abscess cavity after aspiration in order to assess size of cavity and response to therapy

Diagnosis, Protozoa
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Naegleria fowleri, differential diagnosis and treatment of human meningitis

Diagnosis, Protozoa
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Diagnosis, Protozoa
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Leishmania enriettii, L. tropica major, culture forms, possible species differentiation by enumeration of free moving promastigotes growing in presence of rabbit antisera, trials with homologous and heterologous antisera

Diagnosis, Protozoa
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comparison of Papanicolaou and 4 conventional diagnostic tests for Trichomonas vaginalis in women shows the Pap test to be a valuable adjunct to direct examination by wet smear

Diagnosis, Protozoa
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Entamoeba histolytica, pathologic effects of motile trophozoites on human leucocytes compared with non-motile E. moshkovskii and another free-living amoeba both of which showed no action in blood cells; possible use in differentiating E. histolytica from E. hartmani

Diagnosis, Protozoa
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Toxoplasma gondii, human, review of congenital and acquired forms, diagnosis and medical management

Diagnosis, Protozoa
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coccidiosis, poultry, field cases, diagnosis, pathology, relationship of infection to age and sex of host

Diagnosis, Protozoa
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trypanosome identification by electrophoresis of soluble enzymes

Diagnosis, Protozoa
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Theileria annulata, cross-bred calves (exper.), possibility of utilizing biochemical changes as diagnostic tool

Diagnosis, Protozoa
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human Trichomonas vaginalis vaginitis, rapid accurate office procedure for diagnosis (VIP wet staining)

Diagnosis, Protozoa
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Trypanosoma equiperdum in naturally infected horses, transmission studies, clinical symptoms and lesions, localization of parasite, host immune response, methods for parasite detection, varying results of chemotherapy with MSbE; attempts to infect rats, rabbits, and a dog were unsuccessful: South Africa

Diagnosis, Protozoa
Bennett, G. F.; and Cameron, M. F., 1975, J. Parasitol., v. 61 (6), 1091-1095
Leucocytozoon fringillinarum, L. dubreuili, L. majoris, mixed infections, passeriform birds; concluded that species identification must be based on morphological criteria, and host specificity alone is not a valid diagnosis

Diagnosis, Protozoa
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hepatic amoebic abscess presenting with systemic symptoms in man who had traveled extensively in tropics, abscess masked by previous treatment of intestinal symptoms with iodoquinolines, diagnosed by liver scan and cured with metronidazole: Switzerland

Diagnosis, Protozoa
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Diagnosis, Protozoa
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Diagnosis, Protozoa
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Diagnosis, Protozoa
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human cutaneous leishmaniasis of lupoid form, diagnostic difficulties, case report, glucantime

Diagnosis, Protozoa
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Pneumocystis carinii, morphological diagnosis, comparison of staining techniques

Diagnosis, Protozoa
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comparison of serum proteins of healthy subjects and those of persons with untreated malaria, hookworm or schistosomiasis, possible diagnostic value: Zambia

Diagnosis, Protozoa
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Pneumocystis carinii infection in humans, methods of diagnosis particularly in immunodeficient patient, classic morphology of organism, review

Diagnosis, Protozoa
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review of case histories and pathologic findings in 46 patients with Pneumocystis carinii infections, comparison of mode of clinical onset, methods of diagnosis, response to therapy and known immunologic features, extensive literature review, morphologic description of organism

Diagnosis, Protozoa
Burke, J. A., 1977, C. R. C. Crit. Rev. Clin. Lab. Sc., v. 7 (4), 373-391
Giardia lamblia, extensive review of human giardiasis (history, life cycle, morphology, epidemiology, pathology, diagnosis, control, treatment)

Diagnosis, Protozoa
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Trichomonas gallinae, incidence in pigeons, importance of specific culture medium for accurate diagnosis and sanitary control, epidemiology of virulent and avirulent strains: Cordoba

Diagnosis, Protozoa
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human malarias, algorithms in the diagnosis and management

Diagnosis, Protozoa
Carter, R.; and Voller, A., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 14-15 [Demonstration]
Plasmodium spp., survey of electrophoretic forms of 4 enzymes, variation between species, subspecies, and strains

Diagnosis, Protozoa
Castellino, R. A., 1976, National Cancer Inst. Monograph (43), 137-140
Pneumocystis carinii, percutaneous pulmonary needle aspiration diagnosis of human pneumonia

Diagnosis, Protozoa
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Leishmania spp., morphological and biochemical differentiation into 4 significantly different groups within the genus

Diagnosis, Protozoa
Chance, M. L.; Peters, W.; and Griffiths, H. W., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), pp. 24-25 [Demonstration]
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Diagnosis, Protozoa
Chance, M. L.; Peters, W.; and Schchory, L., 1974, Ann. Trop. Med. and Parasitol., v. 68 (3), 307-316
Leishmania spp., buoyant density of total cell DNA determined by isopycnic centrifugation in CsCl, wide spectrum of values, results discussed in terms of taxonomy; isolated kinetoplast DNA, minicircle contour length showed no evidence of species specificity

Diagnosis, Protozoa
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African rodent leishmanias, biochemical taxonomic identification of 4 strains distinct from L. donovani

Diagnosis, Protozoa
Charters, A. D., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 291-292 [Letter]
Plasmodium falciparum, P. vivax, technique for collecting multiple thick films on same slide when carrying out field surveys; comparison of high altitude endemicity records of areas in Ethiopia and Kenya

Diagnosis, Protozoa
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Pneumocystis carinii, humans, diagnosis of pneumonitis by means of percutaneous pulmonary needle aspiration performed under fluorescopic guidance, combined staining of aspirate using toluidine blue O and Gomori methenamine silver nitrate provided the highest percentage of specific diagnosis

Diagnosis, Protozoa
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Diagnosis, Protozoa
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Toxoplasma gondii, humans, lymph node biopsy as means of diagnosis differentiation from other forms of lymphatic system pathology, clinical case reports: Poland

Diagnosis, Protozoa
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Sarcocystis miescheriana, Trichinella spiralis, differential diagnosis of cysts

Diagnosis, Protozoa
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Nosema apis, rapid method of examining honey bees individually for spores

Diagnosis, Protozoa
Conradie, M.; and Jacobs, P., 1976, Brit. Med. J. (6028), v. 2, 181
suggested technique for identification of scanty numbers of malarial parasites in human blood

Diagnosis, Protozoa
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Nosema cuniculi, rabbits, serological diagnosis, indirect immunofluorescence test, compared with histopathological methods, no cross-reactivity between N. cuniculi and Toxoplasma gondii

Diagnosis, Protozoa
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Leishmania hertigi, morphologic and biochemical characterization of 8 strains

Diagnosis, Protozoa
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Pneumocystis carinii in human, presentation on X-ray as localized nodular densities, case report: New York

Diagnosis, Protozoa
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Diagnosis, Protozoa
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Trichomonas vaginalis, statistical survey of human vaginitis in apparently healthy population, colposcopic and cytologic diagnosis

Diagnosis, Protozoa
Daddow, K. N.; and Dunlop, L. B., 1976, Queensland J. Agric. and Animal Sc., v. 33 (2), 233-236
Eperythrozoon ovis, sheep, detection by complement fixation test and stained thin blood smears, ewes appeared to be source of infection for lambs, possible role of sandflies and mosquitoes in mode of transmission

Diagnosis, Protozoa
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attempted determination of prevalence of Trypanosoma rangeli in endemic areas of T. cruzi; indications that routine examination of pooled triatome vector hemolymphs and random samples of salivary glands and midguts should be carried out along with standard examination of bug feces as an accurate method for Trypanosoma spp. differentiation: Argentina and Brazil

Diagnosis, Protozoa
De Carli, G. A.; and Machado, B., 1973, Rev. Microbiol., S. Paulo, v. 4 (2), 33-36
Trichomonas vaginalis, men and women, incidence and identification by direct observation and culture

Diagnosis, Protozoa
Decker, J. E.; and Schrot, J. R., 1976, J. Protozool., v. 23 (2), 18A-19A [Abstract]
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Diagnosis, Protozoa
Decker, J. E.; Schrot, J. R.; and Levin, G. V., 1977, J. Protozool., v. 24 (3), 463-470
Leishmania spp., radiorespirometric technique has potential for rapid identification of species and strains

Diagnosis, Protozoa
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Naegleria fowleri, use of an axenic medium for differentiation between pathogenic and nonpathogenic isolates, data obtained on 102 Naegleria strains during extensive ecological study gave further evidence that thermal polluted waters are the main origin of N. fowleri in the environment

Diagnosis, Protozoa
Dennerstein, G. J., 1970, Med. J. Australia, v. 1 (20), 992-994
diagnosis of human vaginal Trichomonas using Wright's stain for microscopic examination of vaginal discharge

Diagnosis, Protozoa
Desowitz, R. S.; and Southgate, B. A., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 179-183
Wuchereria bancrofti, comparative efficacy of membrane filtration, counting-chamber and stained thick blood-film techniques in identifying persistent low density microfilaremia in natives following therapeutic course of diethylcarbamazine given during mass drug campaign: Fiji and Western Samoa

Diagnosis, Protozoa
DeVita, V. T., jr.; et al., 1976, National Cancer Inst. Monograph (43), 41-47
Pneumocystis carinii pneumonia in patients with cancer, differential diagnosis, clinical aspects, pentamidine isethionate

Diagnosis, Protozoa
Dharmalingam, S. K.; and Mahadev, V., 1970, Med. J. Malaya, v. 25 (2), 83-90
radioisotope color scanning of the liver in diagnosis of human hepatic amoebic abscess

Diagnosis, Protozoa
Dooris, P. M.; and McGhee, R. B., 1976, J. Protozool., v. 23 (3), 433-437
Crithidia harmosa, C. fasciculata, differentiation by immunological methods (agglutination, indirect fluorescent antibody) and by polyacrylamide gel slab electrophoresis (number and relative mobilities of component protein bands)

Diagnosis, Protozoa
Doppman, J. L.; and Geelhoed, G. W., 1976, National Cancer Inst. Monograph (43), 89-97
Pneumocystis carinii pneumonia in humans, atypical radiographic features

Diagnosis, Protozoa
Dorfman, R. F.; and Remington, J. S., 1973, N. England J. Med., v. 289 (17), 878-881
human acute acquired toxoplasmosis, value of lymph-node biopsy in differential diagnosis from other lymphadenopathy; biopsy compared with results of Sabin-Feldman dye test and other immunologic reactions

Diagnosis, Protozoa
Doust, B. D., 1976, Gastroenterology, v. 70 (4), 602-610
use of ultrasound to diagnose and assess healing process of human amoebic liver abscess

Diagnosis, Protozoa
Duhard, J. P.; and Pages, D., 1973, Nouv. Presse Med., v. 2 (34), 2275-2276 [Letter]
toxoplasmosis in newborn infants, value of routine systematic ocular evaluations for possible infection

Diagnosis, Protozoa
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Entamoeba histolytica, woman with hepatic amoebic abscess presenting with pain in side, radiologic differential diagnosis, case report: Netherlands

Diagnosis, Protozoa
Durham, K. A.; Corstvet, R. E.; and Hair, J. A., 1976, J. Parasitol., v. 62 (6), 1000-1002
fluorescent antibody technique suitable for identification of Theileria cervi in salivary glands or oral secretions of Amblyomma americanum (laboratory infected and field collected), high infection rates of field collected ticks indicate potentially a very efficient vector: eastern Oklahoma

Diagnosis, Protozoa
Dutz, W.; and Burke, B. A., 1976, National Cancer Inst. Monograph (43), 157-161
Pneumocystis carinii infection in humans, advantages and disadvantages of Giemsa, Giemsa-Wright, and silver stains used in diagnosis

Diagnosis, Protozoa
Dwivedi, S. K.; Gautam, O. P.; and Verma, B. B., 1977, Indian Vet. J., v. 54 (2), 108-110
Trypanosoma evansi, dogs (exper.), serum transaminase activities, insufficient changes for use as diagnostic tool

Diagnosis, Protozoa
Ebert, F., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 517-524
Leishmania donovani strains, characterization by disc electrophoresis, patterns of general protein staining, unspecific esterase, alkaline and acid phosphatases, species-specific fractions which may be instrumental in identification

Diagnosis, Protozoa
Ebert, F., 1974, Tropenmed. u. Parasitol., v. 25 (1), 49-53
Leishmania tropica strains, electrophoretic patterns for proteins and enzymes which made characterization of strains possible, taxon-specific esterase bands which could be used in differentiating from L. donovani

Diagnosis, Protozoa
Ebert, F., 1974, Tropenmed. u. Parasitol., v. 25 (3), 259-266
Leishmania spp. of the New World, comparative electrophoretic studies on proteins, esterases, relationships to Leishmania donovani and L. tropica, use of species-specific enzyme patterns in differentiating species and strains

Diagnosis, Protozoa
Edrissian, G. H.; and Afshar, A., 1973, Pahlavi Med. J., v. 4 (4), 533-544
human malarias, detection of asymptomatic and scanty parasitemia using combined indirect fluorescent antibody technique and parasite concentration from thick and thin blood films, use in mass surveys: Iran

Diagnosis, Protozoa
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human toxoplasmosis, micro-technique for diagnosis that can be incorporated into routine diagnostic tests

Diagnosis, Protozoa
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Pneumocystis carinii in immunosuppressed post-operative renal transplant patients, suggested methods to diagnose infection without resorting to thoracotomy

Diagnosis, Protozoa
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clinical and epidemiologic review of human Leishmania donovani, diagnostic measures, case reports, recommended treatment with sodium stibogluconate, possible transmission during travel to endemic areas of Mediterranean

Diagnosis, Protozoa
Ferriolli, F., filho, 1972, Medicina, Sao Paulo, v. 5 (1), 1-3
human Trypanosoma cruzi infections, review of diagnostic methods currently in use

Diagnosis, Protozoa
Ferry, A. P., 1977, Am. J. Ophth., Chicago, v. 84 (3), 349-354
cutaneous leishmaniasis of right lower eyelid of man who had earlier resided in area of Mediterranean Sea, diagnosis only after excision of lesion thought to be tumor or cyst, clinical diagnostic review: New York

Diagnosis, Protozoa
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increasing reports of human malarial infections in nonendemic areas as result of increased travel and immigration from endemic areas, signs and symptoms for differential diagnosis: Canada

Diagnosis, Protozoa
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malaria, human, odor of burning as symptom of possible diagnostic value, possible explanation

Diagnosis, Protozoa
Franco Ramirez, G.; Perez Norzagaray, J.; and de Saade, M. T., 1970, Pediatria, Bogota, v. 11 (4), 379-384
amoebiasis in nursing infants causing acute diarrhea, established as clinically distinct form from that of adults, diagnosis, pathology, clinical aspects: Colombia

Diagnosis, Protozoa
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differential diagnosis of human acquired lymphatic toxoplasmosis, review

Diagnosis, Protozoa
Fribourg-Blanc, A., 1973, Medecine et Malad. Infect., v. 3 (6), 261-272
human vaginal trichomoniasis, review of current methods of diagnosis

Diagnosis, Protozoa
Fripp, P. J.; Mason, P. R.; and Super, H., 1975, J. Parasitol., v. 61 (5), 966-967
Trichomonas vaginalis, diagnosis by acridine orange staining

Diagnosis, Protozoa
Gaal, T., 1976, Magy. Allat. Lapja, v. 98, v. 31 (1), 63-65
toxoplasmosis, dogs, incidence, clinical aspects, severe bronchopneumonia, diagnosis by symptoms or post mortem examination

Diagnosis, Protozoa
Garcia-Tamayo, F.; Ayala, L.; and Kumate, J., 1974, Bol. Med. Hosp. Inf., v. 31 (4), 683-690
Entamoeba histolytica, children, hepatic infection, nitroblue tetrazolium test, possible use in diagnosis

Diagnosis, Protozoa
Gardener, P. J., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 9 [Demonstration]
Leishmania braziliensis braziliensis, unidentified cytoplasmic granule characteristic of amastigote stages of this sp., visible with light microscope

Diagnosis, Protozoa
Gardener, P. J.; Chance, M. L.; and Peters, W., 1974, Ann. Trop. Med. and Parasitol., v. 68 (3), 317-325
Leishmania spp., variation in electrophoretic mobility of malate dehydrogenase using disc polyacrylamide-gel method, results correlated with DNA buoyant density determinations on same isolates, preliminary summary of biochemical taxonomy presented

Diagnosis, Protozoa
Gardener, P. J.; Shchory, L.; and Chance, M. L., 1977, Ann. Trop. Med. and Parasitol., v. 71 (2), 147-155
Leishmania species differentiation by morphometric comparisons of ultrastructural features of leishmanial amastigotes

Diagnosis, Protozoa
Garre, M.; et al., 1975, Nouv. Presse Med., v. 4 (6), 393-394
Pneumocystis carinii pneumonia in immunologically compromised patient with renal transplant, early diagnosis using distal bronchial brushings

Diagnosis, Protozoa
Gautam, O. P.; and Dwivedi, S. K., 1976, Indian Vet. J., v. 53 (7), 546-551
Babesia equi, outbreak in mares, clinical pathology, diagnosis, treatment with Berenil, vectors, Hyalomma spp.

Diagnosis, Protozoa
Geelhoed, G. W., 1976, National Cancer Inst. Monograph (43), 141-147
Pneumocystis carinii, open lung biopsy in the diagnosis of human pneumonia

Diagnosis, Protozoa
Geigy, R.; Kauffmann, M.; and Jenni, L., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 284-286 [Abstract]
wild mammals as possible reservoirs for sleeping sickness in the Serengeti, problems and possible solutions of blood incubation infectivity test for distinguishing Trypanosom[a] brucei-type from T. rhodesiense-type

Diagnosis, Protozoa
Geslien, G. E.; Thrall, J. H.; and Johnson, M. C., 1974, J. Nuclear Med., v. 15 (7), 561-563
human hepatic amoebic abscess, gallium scanning to assess size and resolution of acute lesions

Diagnosis, Protozoa
Giebink, G. S.; et al., 1976, Pediatrics, Am. Acad. Pediat., v. 58 (1), 115-118
pneumonia unresponsive to antibiotics in 2 Vietnamese infant immigrants, Pneumocystis carinii diagnosed by lung biopsy, case reports, probable immune deficiencies, treated with pentamidine isethionate

Diagnosis, Protozoa
Girgla, H. S.; et al., 1977, Brit. J. Dermat., v. 97 (3), 307-311
L[eishmania] donovani, humans, post kala-azar dermal leishmaniasis, clinical case reports, variable responses to stibophen therapy, pathologic findings, difficulties differentiating from leprosy: Nepal; India

Diagnosis, Protozoa
Godfrey, D. G.; and Kilgour, V., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 260 [Abstract]
bloodstream trypanosomes of 4 different subgenera, relative activities of alanine vs. aspartate aminotransferases were characteristic of each subgenus

Diagnosis, Protozoa
Godfrey, D. G.; and Kilgour, V., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (3), 219-224
Trypanosoma brucei brucei, T. b. rhodesiense, T. b. gambiense, enzyme electrophoresis used to differentiate between subspecies, potentially useful in search for animal reservoirs or in identifying foci of human infections

Diagnosis, Protozoa
Goulston, S. J. M.; and McGovern, V. J., 1972, Med. J. Australia, v. 1 (24), 1234-1238
use of rectal biopsy in differential diagnosis of human intestinal amoebiasis

Diagnosis, Protozoa
Gratecos, N., 1972, Marseille Med., v. 109 (5), 361-369
Plasmodium spp., Leishmania donovani, human splenomegaly, differential diagnosis, clinical review

Diagnosis, Protozoa
Greve, E., 1975, Medlemsbl. Danske Dyrlaegeforen., v. 58 (18), 689-693
Sarcocystis miescheriana, swine, method of diagnosis at time of slaughter

Diagnosis, Protozoa
Griffin, J. L., 1973, J. Protozool., v. 20 (4), 497-498
Naegleria fowleri, environmental sampling, differential culture and preliminary identification

Diagnosis, Protozoa
Grislain, J. R., 1971, Medecine Infant., v. 78 (5), 277-287
toxoplasmosis, differential diagnosis of skin eruptions in infants

Diagnosis, Protozoa
Gruet, M.; et al., 1973, Medecine et Armees, v. 1 (3), 5-10
human hepatic amoebiasis, use of scintigraphy to diagnose amoebic abscess and evaluate need for surgical intervention

Diagnosis, Protozoa
Gueugnot, J.; et al., 1976, Compt. Rend. Soc. Biol., Paris, v. 170 (4), 782-786
Crithidia luciliae, suspensions treated with 30 lectins of plant and fungus, agglutination, fixation upon membrane and flagella in relation to lectin structure; more precise knowledge of glucidic receptors on membranes; possible use of technique in identification, taxonomy and study of intracellular structures

Diagnosis, Protozoa
Hadas, E.; Kasprzak, W.; and Mazur, T., 1977, Tropenmed. u. Parasitol., v. 28 (1), 35-43
Naegleria fowleri, N. gruberi and strains of Hartmannella spp., taxonomic differentiation by means of disc electrophoresis of protein patterns

Diagnosis, Protozoa
Haff, R. C.; and Norgaard, R. P., 1974, Mil. Med., v. 139 (3), 192-195
human amoebiasis, metronidazole treatment of cecal amebomas and hepatic abscesses after locating by liver scan, military personnel returning from duty in Southeast Asia

Diagnosis, Protozoa
Hallett, J. J.; Fickenscher, L. G.; and Ablin, A. R., 1977, West. J. Med., San Francisco, v. 126 (6), 441-444
Pneumocystis carinii pneumonia in children, secondary complication of immunosuppressive therapy, factors to aid in early diagnosis by lung biopsy (open thoracotomy), pentamidine, case reports, clinical aspects: California

Diagnosis, Protozoa
Harinasuta, T.; Gilles, H. M.; and Sandosham, A. A. [Editors], 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (4), 641-678
human malaria in southeast Asia, scientific group meeting with discussion on: epidemiology, clinical features, pathophysiology, genetic factors, immunology, diagnosis, chemotherapy, control measures

Diagnosis, Protozoa
Hartong, W. A.; and Arvanitakis, C., 1977, J. Am. Med. Ass., v. 237 (11), 1078-1079 [Letter]
Giardia lamblia in humans, diagnosis by duodenal aspiration to obtain mucosal smear imprint of small bowel biopsy specimens, pathologic changes, decreased or absent immunoglobulins, reversal of morphologic and biochemical changes after metronidazole or quinacrine hydrochloride therapy

Diagnosis, Protozoa
Harzmann, R.; and Chiari, R., 1974, Med. Klin., Berlin, v. 69 (40), 1614-1619
Toxoplasma gondii, differential diagnosis, multiple histologic exams and retroperitoneal lymphography recommended, case report of human toxoplasmosis and simultaneous reticulosarcoma: Fulda, Germany

Diagnosis, Protozoa
Hawking, F., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 517-527
blood incubation infectivity test for differentiating Trypanosoma brucei and T. rhodesiense, modifications of technique and of interpretation

Diagnosis, Protozoa
Hawking, F., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 271 [Abstract]
human plasma resistance test for measurement of resistance of polymorphic trypanosomes to human plasma, differentiation of potentially infective Trypanosoma brucei rhodesiense from non-infective T. b. brucei

Diagnosis, Protozoa
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Diagnosis, Protozoa
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Diagnosis, Protozoa
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Diagnosis, Protozoa
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Diagnosis, Protozoa
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Diagnosis, Protozoa
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Diagnosis, Protozoa
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Diagnosis, Protozoa
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Diagnosis, Protozoa
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Toxoplasma gondii in humans, algorithms in diagnosis and clinical management

Diagnosis, Protozoa
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Diagnosis, Protozoa
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Diagnosis, Protozoa
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Diagnosis, Protozoa
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Diagnosis, Protozoa
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Diagnosis, Protozoa
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Diagnosis, Protozoa
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Diagnosis, Protozoa
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Trypanosoma brucei gambiense, technique of intratesticular inoculation of rabbits used for isolation of strains from patients with Gambian trypanosomiasis, behavior compared with T. b. brucei as a means of distinguishing the two subspecies

Diagnosis, Protozoa
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Diagnosis, Protozoa
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Diagnosis, Protozoa
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Diagnosis, Protozoa
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Diagnosis, Protozoa
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Babesia bigemina, identification of developmental stages in the haemolymph of Boophilus decoloratus using indirect fluorescent antibody technique

Diagnosis, Protozoa
Mreiden, T.; et al., 1976, J. Am. Med. Ass., v. 236 (21), 2392-2393
Pneumocystis carinii, human pneumonia, diagnosis, organism in sputum

Diagnosis, Protozoa
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Diagnosis, Protozoa
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Diagnosis, Protozoa
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African trypanosomiasis, light microscopic examination of buffy coat zone of a microhaematocrit capillary tube expressed onto a slide found to be more reliable than standard methods for diagnosing infections in cattle; method also allowed differentiation of species

Diagnosis, Protozoa
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Trypanosoma mega, Crithidia luciliae, differentiation by hybridization of complementary RNA with kinetoplast DNA

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Diagnosis, Protozoa
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Diagnosis, Protozoa
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Diagnosis, Protozoa
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Myxosoma cerebralis, spore concentration in infected rainbow trout using continuous plankton centrifuge, effective diagnostic aid

Diagnosis, Protozoa
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deviations in erythrogram before and after treatment of human malaria infections with resochin, no such changes in hookworm and other worm infections: Liberia; Togo

Diagnosis, Protozoa
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Diagnosis, Protozoa
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Diagnosis, Protozoa
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Diagnosis, Protozoa
Palmer, R. C., 1977, J. Am. Med. Ass., v. 237 (11), 1078 [Letter]
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Diagnosis, Protozoa
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amoebic abscess of liver in children, diagnostic problems, clinical management: Georgia

Diagnosis, Protozoa
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Diagnosis, Protozoa
Pasyk, K., 1977, Polski Tygod. Lekar., v. 32 (4), 147-149
Trichomonas vaginalis, congenital infections, prevalence survey, detection in newborns should constitute at least 2 examinations if infection in mother not previously detected, safe metronidazole dosage established: Poland

Diagnosis, Protozoa
Pavesio, D.; et al., 1971, Minerva Pediat., v. 23 (39), 1622-1625
Pneumocystis carinii, human interstitial plasma cell pneumonia, radiologic and pathologic findings

Diagnosis, Protozoa
Payet, M., 1975, Medecine Trop., v. 35 (2), 105-110
human malignant amoebic colitis, clinical aspects, pathology, diagnosis, treatment with dehydroemetine or surgery

Diagnosis, Protozoa
Pelikan, L.; Kod'ousek, R.; and Malinsky, J., 1972, Ceskoslov. Pediat., v. 27 (8), 378-380
Lamblia intestinalis in humans presenting with malabsorption syndrome, diagnosis using enterobiopsy, pathology, medical management: Czechoslovakia

Diagnosis, Protozoa
Perl, G., 1970, Mount Sinai J. Med., v. 37 (5), 632-634
human Trichomonas vaginalis, Papanicolaou smear not reliable in diagnosis of human vaginitis without accompanying smear and culture

Diagnosis, Protozoa
Perl, G., 1972, Obst. and Gynec., v. 39 (1), 7-9
Trichomonas vaginalis, Papanicolaou smear should not be relied upon for diagnosis of human vaginitis, smear and culture should be obtained before beginning treatment

Diagnosis, Protozoa
Peters, W.; et al., 1977, Ann. Trop. Med. and Parasitol., v. 71 (4), 501-502
Leishmania aethiopica, Leishmania adleri, Leishmania sp., enzyme variants, DNA buoyant densities and excreted factor serotypes as means of differentiation of human and animal isolates from Kenya

Diagnosis, Protozoa
Petrescu-Coman, V.; et al., 1970, Pediatria, Bucuresti, v. 19 (4), 313-324
lambliasis in children as cause of prolonged diarrhea, clinical and diagnostic aspects

Diagnosis, Protozoa
Pettyjohn, F. S., 1975, Mil. Med., v. 140 (8), 535-537
Plasmodium vivax, P. falciparum, human, centrifuged vacutainer of venous blood procedure of choice in quantitative comparisons of methods of thin blood smear preparations for diagnosis

Diagnosis, Protozoa
Poitrat, C., 1973, Medecine Infant., v. 80 (3), 345-365
Toxoplasma gondii, general review of life cycle, morphology, diagnosis, epidemiology and clinical management

Diagnosis, Protozoa
Poletti, T.; et al., 1970, Minerva Med., v. 61 (48), 2696-2701
acquired lymphatic Toxoplasma gondii in young adults, frequent cause of diagnostic difficulties, case reports: Italy

Diagnosis, Protozoa
Pons, S.; Torres C., A.; and Ortiz M., A., 1969, Med. Cutan., v. 4 (3), 39-48
cutaneous manifestations of Trypanosoma cruzi in humans, clinical review, pathology, differential diagnosis: Argentina

Diagnosis, Protozoa
Porter, R. L.; and Greve, J. H., 1976, Iowa State Univ. Vet., v. 38 (3), 109-113
Anaplasma marginale, cow, case report, differential diagnosis from leptospirosis, oxytetracycline, poor results, review: Aplington, Iowa

Diagnosis, Protozoa
Powell, R. D., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 181-183
diagnosis established in clinically ill woman with symptoms of malaria but with persistently negative blood smears when parasites were detected in lupus erythematosus cell preparation: Iowa (had just returned from 3 month visit to Zaire)

Diagnosis, Protozoa
Prado, R.; et al., 1976, Bol. Chileno Parasitol., v. 31 (1-2), 43-44
Trichomonas vaginalis vaginitis in humans, use of Papanicolaou smear as diagnostic screening test of apparently healthy women, prevalence survey: Chile

Diagnosis, Protozoa
Premuzic-Lampic, M.; and Paskvalin, L. J., 1975, Medicina, Rijeka, v. 12 (1), 24-28
review of 3 cases of human acquired lymphatic toxoplasmosis, clinical aspects, hematologic diagnosis: Yugoslavia

Diagnosis, Protozoa
Puigbo, J. J.; et al., 1977, Postgrad. Med. J., London (623), v. 53, 527-532
Trypanosoma cruzi, human, cardiac involvement, review of acute latent and chronic phases, diagnosis, pathology

Diagnosis, Protozoa
Raizman, R. E., 1976, Am. J. Digest. Dis., n.s., v. 21 (12), 1070-1074
human Giardia lamblia, extensive review of current concepts of diagnosis, clinical management and treatment, association with immunodeficiency

Diagnosis, Protozoa
Ramachandran, S., 1974, Postgrad. Med. J., London (589), v. 50, 689-693
human hepatic amoebiasis, radiologic changes in left lobe amoebic liver abscess provides adequate diagnostic confirmation

Diagnosis, Protozoa
Ramachandran, S.; Induruwa, P. A. C.; and Perera, M. V. F., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (2), 159-160
Entamoeba histolytica in humans, acidic pH of amoebic hepatic abscess exudate, diagnostic significance

Diagnosis, Protozoa
Ramachandran, S.; and Perera, M. V. F., 1976, J. Trop. Med. and Hyg., v. 79 (9), 207-210
Plasmodium falciparum, P. vivax, humans, jaundice and hepatomegaly associated with primary uncomplicated illness

Diagnosis, Protozoa
Ramanathan, P.; Ganatra, R. D.; and Blau, M., 1974, J. Nuclear Med., v. 15 (11), 1021-1024
human hepatic echinococcosis and amoebiasis, dynamic bloodflow studies using scintillation cameras, differential diagnosis of benign and malignant lesions

Diagnosis, Protozoa
Rasaretnam, R.; and Wijetilaka, S. E., 1976, Postgrad. Med. J., London (607), v. 52, 269-274
aids to diagnosis of less frequently occurring left lobe hepatic abscess resulting from human Entamoeba histolytica infection, case analyses, presenting symptoms

Diagnosis, Protozoa
Ravenscroft, P. J.; et al., 1975, Med. J. Australia, v. 1 (18), 551-555
statistical review of cases of intestinal amoebiasis and amoebic liver abscess in Brisbane area from 1956 to 1973 with suggestions for diagnosis and clinical management: Australia

Diagnosis, Protozoa
Reid, W. M.; and Johnson, J., 1974, Folia Vet. Latina, v. 4 (4), 585-602
Eimeria brunetti in chickens, severity of pathogenicity, lesion scoring and weight gains, economic losses, diagnostic techniques

Diagnosis, Protozoa
Repsher, L. H.; et al., 1976, National Cancer Inst. Monograph (43), 127-132
Pneumocystis carinii, diagnosis in immunocompromised host by transbronchial lung biopsy via the fiberoptic bronchoscope, procedure offers diagnostic accuracy

Diagnosis, Protozoa
Repsher, L. H.; Schroeter, G.; and Hammond, W. S., 1972, N. England J. Med., v. 287 (7), 340-341
Pneumocystis carinii pneumonitis in humans with iatrogenic immune deficiency states, diagnosis by endobronchial brush biopsy

Diagnosis, Protozoa
del Rey Calero, J.; and Mira Gutierrez, J., 1970, Med. Trop., Madrid, v. 46 (1-4), 251-280
extensive review of histochemical methods used in staining, diagnosing and studying parasites

Diagnosis, Protozoa
Rickman, L. R., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (3), 262-264
Trypanosoma brucei, attempted subspecific identification of isolates from non-human hosts using the blood incubation infectivity test (BIIT)

Diagnosis, Protozoa
Rickman, L. R.; and Robson, J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 166-167 [Letter]
Trypanosoma brucei, observations on identification of strains isolated from non-human hosts

Diagnosis, Protozoa
Rieck, M.; and Halter, F., 1972, Minerva Med., v. 63 (58), 3166-3168
human rectal amoebiasis presenting as solitary ulcer, differential diagnosis

Diagnosis, Protozoa
Rifkind, D., 1976, National Cancer Inst. Monograph (43), 49-54
Pneumocystis carinii pneumonia in renal transplant patients on immunosuppressive therapy, clinical management with isolation procedures to prevent transmission, differential diagnosis, pentamidine isethionate

Diagnosis, Protozoa
Rigillo, N.; et al., 1969, Minerva Pediat., v. 21 (21), 960-965
giardiasis in children, secondary malabsorption and altered xylose test values return to normal after disappearance of parasite from stool

Diagnosis, Protozoa
Roberts, C. J.; and Gray, A. R., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 278-279 [Abstract]
Trypanosoma congolense isolates from wild game animals, pattern of infectivity for rats may be different from previously described patterns

Diagnosis, Protozoa
Robinson, M. J.; and Eykyn, S., 1977, Brit. Med. J. (6103), v. 2, 1667 [Letter]
childhood malaria, increasing incidence with increased travel to and from endemic areas, diagnostic problem in children: United Kingdom

Diagnosis, Protozoa
Robson, J.; and Rickman, L. R., 1973, Trop. Animal Health and Prod., v. 5 (3), 187-191
Trypanosoma brucei subgroups, identified by blood incubation infectivity test, non-human hosts: Lambwe Valley, South Nyanza, Kenya

Diagnosis, Protozoa
Rodgers, B. M.; and Talbert, J. L., 1977, Am. Rev. Resp. Dis., v. 115 (4, pt. 2), 157 [Abstract]
Pneumocystis carinii in children receiving immunosuppressive therapy, safe and accurate diagnosis using thoracoscopy

Diagnosis, Protozoa
Rollinson, D., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 436-437 [Demonstration]
Eimeria spp., attempted differentiation of chicken coccidia by electrophoretic variation of enzymes

Diagnosis, Protozoa
Rollinson, D., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 21-22 [Demonstration]
Eimeria spp. of mammals, electrophoretic techniques to differentiate spp. by variations in mobility of enzymes

Diagnosis, Protozoa
Rommel, M.; and v. Seyerl, F., 1976, Berl. u. Munchen. Tierarztl. Wchnschr., v. 89 (20), 398-399
Hammondia hammondi, isolation from cat feces, exper. mouse infection, epidemiological significance for distinguishing from Toxoplasma gondii: Germany

Diagnosis, Protozoa
Rosen, R. A.; and Molnar, J. J., 1973, N. York State J. Med., v. 73 (10), 1191-1193
Entamoeba histolytica in human, amoebiasis of cecum presenting as pelvic mass or tubo-ovarian abscess, clinical case report, diagnosis from pathology found at surgery: New York

Diagnosis, Protozoa
Rottembourg, J.; et al., 1977, Nouv. Presse Med., v. 6 (10), 819-823
Pneumocystis carinii pneumonia in immunocompromised patient after cardiac transplantation, diagnosis by pulmonary biopsy, treatment with pentamidine, fansidar: France

Diagnosis, Protozoa
Rowecka-Trzebicka, K.; and Touhami, M., 1977, Pediat. Polska, v. 52 (4), 381-386
Leishmania donovani, difficulty in diagnosing visceral leishmaniasis in children, case reports of children with atypical clinical manifestations and negative results from diagnostic bone marrow biopsies: Poland

Diagnosis, Protozoa
Roy, L. P.; and Hansman, D., 1969, Med. J. Australia, v. 2 (25), 1265-1268
fatal infection in premature infant, Toxoplasma gondii isolated from brain tissue at autopsy, case report, serological evidence of toxoplasmosis in both parents: Australia

Diagnosis, Protozoa
Ruehl, H., 1976, Arch. Protistenk., v. 118 (4), 353-363
Eugregarinida, ultrastructure of syzygial junction, epimerite and septum in gamonts, specificity and taxonomic significance of these structures

Diagnosis, Protozoa
Ryu, E.; et al., 1975, Taiwan J. Vet. Med. and Animal Husb. (26), 7-15
Toxoplasma gondii, swine, survey, diagnosis by intradermal skin test, hemagglutination test, dye test, isolation: Taiwan

Diagnosis, Protozoa
Sagaro, E.; et al., 1977, Arch. Dis. Childhood, v. 52 (6), 505-507
Giardia lamblia, diagnosis in children under study for chronic diarrhea, examination of duodenal juice after secretin stimulus, effective method of showing infestation

Diagnosis, Protozoa
Sandon, H., 1976, Tr. Am. Micr. Soc., v. 95 (3), 357-366
opalinids with special reference to Protoopalina, problems in specific identification, speculations about evolution

Diagnosis, Protozoa
Sankale, M.; et al., 1970, Medecine Afrique Noire, v. 17 (6), 479-489
use of scintigraphy in diagnosis and evaluation of course of human hepatic amoebiasis

Diagnosis, Protozoa
Scharfman, W. B.; and Taft, E. G., 1977, J. Am. Med. Ass., v. 238 (12), 1281-1282
human babesiosis (Nantucket fever), case report of infection in adult woman after summer visit to Nantucket Island, diagnosis, therapy with chloroquine: Albany, New York

Diagnosis, Protozoa
Schnur, L. F.; and Chance, M. L., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 14 [Demonstration]
Leishmania strains from Sudan, Kenya and Ethiopia, comparison of strain differentiation methods

Diagnosis, Protozoa
Seigel, R.; and Wolson, A. H., 1977, Am. J. Roentgenol., v. 128 (1), 150-152
Pneumocystis carinii pneumonia, radiographic diagnosis of chronic infection, case report of unusual chronicity and cavitation demonstrating need to consider P. carinii in persons with immunologic and pulmonary parenchymal disease

Diagnosis, Protozoa
Shafii, A., 1977, N. York State J. Med., v. 77 (3), 418-419
Trypanosoma cruzi cardiomyopathy and resulting hemiplegia in immigrant woman from Ecuador, diagnostic confusion with myocardial infarction, clinical case report: New York

Diagnosis, Protozoa
Shirley, M. W., 1975, J. Protozool., v. 22 (3), 55A-56A [Abstract]
Eimeria spp., lactate dehydrogenase, glucose phosphate isomerase, characteristic electrophoretic mobilities for different species, parasite identification and other possible applications

Diagnosis, Protozoa
Shirley, M. W.; and Lee, D. L., 1977, J. Parasitol., v. 63 (2), 390-392
Eimeria spp., isoelectric focusing of enzymes, compared with starch gel electrophoresis, inter- and intraspecies differences

Diagnosis, Protozoa
Sibalic, D.; and Radovic, M., 1970, Acta Parasitol. Iugoslavica, v. 1 (1-2), 29-32
Toxoplasma gondii, patients serologically and clinically suspect for infection, inoculation of material from lymph node puncture and of saliva produced infection in mice

Diagnosis, Protozoa
Simpson, G. E. C., 1975, Med. J. Australia, v. 1 (19), 601-602
discussion of human epidemic Giardia lamblia and diagnostic problems involved (diagnosed by response to flagyl treatment), need for investigation into probable epidemiology stressed: Australia

Diagnosis, Protozoa
Singh, C. V.; Joshi, H. C.; and Shah, H. L., 1976, Pantnagar J. Research, v. 1 (1), 63-66
Eimeria spp., White Leghorn chicks, changes in blood biochemistry, possible aid in diagnosis

Diagnosis, Protozoa
Sishido, S., 1974, Nippon Kyobu Shikkan Gakkai Zasshi (Japan. J. Thorac. Diseases), v. 12 (6), 327-331
Pneumocystis carinii in youth, anti-tubercular drugs given for 6 months without good results before diagnosis of Pneumocystis granulomatous changes in lung cavities discovered: Japan

Diagnosis, Protozoa
Smith, J. A.; and Wiggins, C. McD., 1973, N. England J. Med., v. 289 (23), 1254-1255 [Letter]
Pneumocystis carinii in humans, diagnosis by identification in sputum

Diagnosis, Protozoa
Sperhake, P.; and Kaleta, E. F., 1974, Prakt. Tierarzt, v. 55, Sondernummer, 29-31
Isospora lacazei, canaries, clinical aspects, pathology, diagnosis, differential diagnosis, therapy with Amprolvet Super in drinking water

Diagnosis, Protozoa
Spier, S.; et al., 1977, Arch. Dermat., Chicago, v. 113 (8), 1104-1105
human cutaneous leishmaniasis, differential diagnosis from sporotrichosis, clinical case report, resolution of ulcer after pentostam therapy: Panama

Diagnosis, Protozoa
Stevens, A. R.; and Stein, S., 1977, J. Parasitol., v. 63 (1), 151-152
Acanthamoeba, Naegleria, pathogenic and nonpathogenic species (strains), susceptibility to lectin-induced agglutination

Diagnosis, Protozoa
Stotka, V. L., 1975, North Carolina Med. J., v. 36 (10), 607-611
Entamoeba histolytica, hepatic abscesses in Vietnam veterans, diagnostic difficulties, clinical aspects: North Carolina

Diagnosis, Protozoa
Stray-Pedersen, B.; and Lorentzen-Styr, A.M., 1977, Am. J. Obst. and Gynec., v. 128 (7), 716-721
Toxoplasma gondii in pregnant women, possible role of uterine infections in sporadic and habitual abortions, comparative study of controls and women with suspected infections using seroimmunologic methods and endometrial biopsies: Oslo, Norway

Diagnosis, Protozoa
Stucchi, C. A.; et al., 1972, Ophthalmologica, Basel, v. 165 (3-4), 384-389
ocular toxoplasmosis in association with retinal angioma, 12-year-old boy, differential diagnosis, clinical case report: Switzerland

Diagnosis, Protozoa
Subiabre, V.; et al., 1976, Bol. Chileno Parasitol., v. 31 (1-2), 44-45
Trichomonas vaginalis diagnosed in apparently healthy males by smears of urine sediment, prevalence survey: Chile

Diagnosis, Protozoa
Sunarwan, I.; and Rosekrans, P. C. M., 1976, Nederl. Tijdschr. Geneesk., v. 120 (8), 319-321
Entamoeba histolytica, extensive painful cutaneous ulcer around colostomy stoma of man undergoing treatment for ulcerative colitis finally diagnosed as cutaneous amoebiasis, impressive improvement after metronidazole: Netherlands (resident of Indonesia)

Diagnosis, Protozoa
Szekely, R.; and Sapunar, J., 1976, Bol. Chileno Parasitol., v. 31 (1-2), 23-29
Giardia lamblia in humans, life cycle, morphology, pathology, clinical aspects and treatment, review

Diagnosis, Protozoa
Talis, B.; and Stein, B., 1974, J. Protozool., v. 21 (3), 466 [Abstract]
Pneumocystis carinii, method for early detection in sputum of ambulatory carriers

Diagnosis, Protozoa
Taylor, A. E. R.; and Williams, J. E., 1977, Parasitology, v. 75 (2), xxiii [Abstract]
Trypanosoma spp., possibility of characterizing species and strains using differences in polypeptide profiles on sodium dodecyl sulphate polyacrylamide gel electrophoresis

Diagnosis, Protozoa
Telford, S. R., jr., 1977, Internat. J. Parasitol., v. 7 (4), 299-314
saurian malaria and other haematozoa, distribution and zoogeography, taxonomic problems, incidence by locality and season, implications for vector searches, mixed infections, comparative effectiveness of initial vs. repeated examinations of blood smears for detection: Middle America

Diagnosis, Protozoa
Terragna, A.; et al., 1975, Pathologica (969-970), v. 67, 329-335
Toxoplasma gondii, diagnosis of human lymphatic toxoplasmosis by ultrastructural demonstration of Toxoplasma in the lymph node

Diagnosis, Protozoa
Thiermann, E.; Apt, W.; and Niedmann, G., 1966, Bol. Chileno Parasitol., v. 21 (3), 82-88
Toxoplasma gondii in humans, review and assessment of current diagnostic methods, seroimmunologic and direct microscopic

Diagnosis, Protozoa
Thomas, V.; and Dissanaike, A. S., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 602-606
Plasmodium spp., detection of malaria endemicity among Orang Asli aborigines using Plasmodium falciparum and P. brasilianum antigens and indirect fluorescent antibody test (IFA), age dependent increase in number of positive results, IFA valuable as adjunct to blood slide examination especially when parasites are at very low levels: Malaysia

Diagnosis, Protozoa
Timon-David, P.; and Andrac, A., 1975, Microbia, v. 1 (4), Suppl., 1-8
amebas in fecal matter, techniques of fecal examination, characters for identification, review

Diagnosis, Protozoa
Toure, S. M., 1977, Rev. Elevage et Med. Vet. Pays Trop., n. s., v. 30 (1), 1-10
trypanosomiasis, domestic animals, diagnostic methods, review

Diagnosis, Protozoa
Toye, P. J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 266 [Demonstration]
Trypanosoma rangeli, T. cruzi, T. lewisi, differentiation of enzyme patterns of culture forms

Diagnosis, Protozoa
Toyos Aparicio, J. M., 1974, An. Fac. Vet. Leon, v. 20, 35-90
35 strains of Trichomonas vaginalis, taxonomy, morphology, culture, biochemistry, diagnosis, pathology, comparison of pathogenicity in natural and experimental infections, mice, no relationship observed between pathogeny and clinical picture

Diagnosis, Protozoa
Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (1), 1977, 1-15
17. Seminar on Trypanosomiasis (biochemistry and relevance to control; relevance of laboratory studies to tsetse control; field diagnosis; problems of land use and tsetse control)

Diagnosis, Protozoa
Tryphonas, L.; et al., 1977, Canad. J. Comp. Med., v. 41 (1), 1-12
Leishmania donovani, dog, hematological and pathological observations, significance of bone marrow evaluation and electron microscopic examination in diagnosis, potential public health hazard for North America: Canada, imported from Spain

Diagnosis, Protozoa
Tsukamoto, M., 1974, Nettai Igaku (Trop. Med.), v. 16 (2), 55-69
Plasmodium berghei, diagnostic differentiation of enzymes by polyacrylamide gel electrophoresis

Diagnosis, Protozoa
Tubis, M.; et al., 1975, Nuclear-Med., v. 14 (2), 163-171
human amoebiasis, labeled metronidazoles (bromometronidazole and technetium-penicillamine-flagyl complex) as potential agents for scintigraphic visualization of hepatic abscess

Diagnosis, Protozoa
Tubis, M.; et al., 1976, Nuklearmedizin, v. 15 (1), 36-38
Entamoeba histolytica in humans, demonstration of hepatic abscess by scintigraphy utilizing a radiopharmaceutical (bromometronidazole)

Diagnosis, Protozoa
Tuszkiewicz-Misztal, E., 1975, Pediat. Polska, v. 50 (4), 417-422
Lamblia intestinalis in children, changes in butyric dehydrogenase-lactic hydrogenase ratio useful in diagnosing lambliasis, possibly indicative of hepatocellular damage

Diagnosis, Protozoa
del Villar Ponce, J. P.; et al., 1974, Bol. Med. Hosp. Inf., v. 31 (6), 1195-1200
Balantidium coli, children, differential diagnosis, case reports, distribution associated with close human-swine contact: Mexico

Diagnosis, Protozoa
Vinayak, V. K.; and Chitkara, N. L., 1976, Indian J. Med. Research, v. 64 (10), 1443-1445
Entamoeba histolytica, 17 strains, selective ability to hemolyse red blood cells could be utilized as a parameter for differentiation of strains

Diagnosis, Protozoa
Vinaychandran Nair, K.; et al., 1977, Indian J. Med. Research, v. 66 (3), 417-419
Giardia lamblia in humans, comparative evaluation of 3 diagnostic techniques: formol-ether concentration of fecal sample, duodenal secretion and mucosal impression smear

Diagnosis, Protozoa
Vivares, C. P., 1975, Ann. Sc. Nat., Zool. et Biol. Animale, 12. s., v. 17 (2), 141-178
Thelohania maenadis, T. octospora, T. ceccaldii, comparative fine structure

Diagnosis, Protozoa
Wagner, J. E., 1976, J. Am. Vet. Med. Ass., v. 168 (7), 585-588
Cytauxzoon-like organisms, cats, case histories, diagnosis, pathology: southwestern Missouri

Diagnosis, Protozoa
Walker, P. J.; and Opiyo, E. A., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 283 [Abstract]
trypanosomiasis, repeatability of blood incubation infectivity test

Diagnosis, Protozoa
Walton, B. C.; Intermill, R. W.; and Hajduk, M. E., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 850-855
Leishmania isolates from patients with espundia compared with reference strain of L. b. braziliensis, clinical features, growth in culture, pathogenesis in hamster, location in gut of sandflies (Lutzomyia gomezi and L. trapidoi), autochthonous Texas strain clearly falls into L. mexicana complex, Peru isolate has intermediate pattern of characteristics but primarily those of L. braziliensis

Diagnosis, Protozoa
Walzer, P. D.; et al., 1976, National Cancer Inst. Monograph (43), 55-63
Pneumocystis carinii pneumonia, analysis of 194 confirmed cases in United States over 3-year period, diagnosis by biopsy or needle aspiration of lung, pentamidine therapy effective but frequently caused impaired renal function when given in conjunction with nephrotoxic agents, occurrence almost exclusively in immunosuppressed host with serious underlying disease

Diagnosis, Protozoa
Weber, W. R.; Askin, F. B.; and Dehner, L. P., 1977, Am. J. Clin. Path., v. 67 (1), 11-19
Pneumocystis carinii pneumonia in humans, histopathology of typical and atypical features found on lung biopsy, importance of differential diagnosis especially in immunologically compromised patients

Diagnosis, Protozoa
Whitehead, R., 1973, Major Problems Path., v. 3, 105-110
human intestinal infection, diagnosis, pathological appearance of mucosal biopsy of gastrointestinal tract

Diagnosis, Protozoa
Wiesenhuetter, E., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (1), 60-66
trypanosomiasis, Zebu cattle, diagnosis, comparison of indirect fluorescent antibody test with microscopic examination, IFA proved to be reliable and rapid diagnostic aid useful for epizootiological studies: Tanzania

Diagnosis, Protozoa
Wightman, S. R.; Kier, A. B.; and Wagner, J. E., 1977, Feline Pract., v. 7 (3), 23-26
Cytauxzoon, cats (blood), clinical features, pathology, diagnosis, morphology compared with Haemobartonella felis

Diagnosis, Protozoa
Wildfuehr, G.; and Wildfuehr, W., 1975, Toxoplasmose. Ratgeber fur Artzte und Tierarzte, 320 pp., illus.
Toxoplasma gondii, guidebook for physicians and veterinarians, morphology, life cycle, diagnosis, epidemiology, pathology, prenatal infection, veterinary aspects, extensive review

Diagnosis, Protozoa
Willaert, E.; Jadin, J. B.; and Le Ray, D., 1972, Protistologica, v. 8 (4), 497-504
Naegleria, immunoelectrophoretic analysis of water soluble proteins, comparison of pathogenic and nonpathogenic strains, confirms existence of two separate species and gives evidence of homogeneity of pathogenic strains from different geographic areas, no antigenic relationship with Hartmannella castellanii or Entamoeba histolytica, study of antigenically intermediate strain between Naegleria gruberi and pathogenic Naegleria sp.

Diagnosis, Protozoa
Willaert, E.; and Stevens, A. R., 1976, Path. Biol., v. 24 (2), 89-91
Acanthamoeba castellani, purified plasma membranes, elicited antisera assayed by immunoprecipitation and immunofluorescence methods, cross reaction with other species of Acanthamoeba; plasma membrane antisera may allow identification of species or even strains

Diagnosis, Protozoa
Wolff, L. J.; et al., 1977, Pediatrics, Am. Acad. Pediat., v. 60 (1), 41-45
Pneumocystis carinii as cause of interstitial pneumonia in immunocompromised children, diagnosis by open lung biopsy, statistics of clinical cases

Diagnosis, Protozoa
Woo, P. T. K.; and Rogers, D. J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 319-326
Trypanosoma spp., statistical study of sensitivity of haematocrit centrifuge technique for detecting trypanosomes in blood, evaluation of relationship of probability of detection of trypanosome to trypanosome density

Diagnosis, Protozoa
Yang, J.; and Scholten, T., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 16-22
Dientamoeba fragilis in humans, extensive epidemiologic survey, pathology, fecal examination diagnostic methods, periodicity, frequent occurrence in presence of Enterobius vermicularis suggests possibility of helminths as vectors: Toronto, Canada

Diagnosis, Protozoa
Young, R. C.; Bennett, J. E.; and Chu, E. W., 1976, Lancet, London (7994), v. 2, 1082-1083
Pneumocystis carinii, human pneumonia, differential diagnosis from similar mimicking diseases

Diagnosis, Protozoa
Zaman, V., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (4), 603
Sarcocystis orientalis, redescription and revision of new species diagnosis

Diagnosis, Protozoa
Zaremba, A.; and Szarmach, H., 1977, Przegl. Dermat., v. 64 (4), 461-463
Trichomonas vaginalis, diagnosis of asymptomatic infections in males, comparison of several diagnostic methods, positive findings increased significantly after prostatic massage

Diagnosis, Protozoa
Zuberi, S. J.; and Panjvani, Z., 1973, Pakistan J. Med. Research, v. 12 (3), 10-14
human amoebiasis, differential diagnosis of causes of diarrhea with and without fecal blood, comparison study of direct stool examination, sigmoidoscopy and rectal biopsy

Diagnosis, Protozoa
Zuidema, P. J., 1976, Nederl. Tijdschr. Geneesk., v. 120 (21), 901-906
human intestinal parasites, differential diagnosis of causes of diarrhea in hikers returning from visits to India: Netherlands

Diagnosis, Trematoda
Akoun, G.; et al., 1975, Nouv. Presse Med., v. 4 (33), 2408 [Letter]
Schistosoma mansoni in woman with pulmonary granuloma originally diagnosed as tuberculosis, clinical case report: France (native of Guadeloupe)

Diagnosis, Trematoda
Alcoba Leza, M.; Lopez Lopez, C.; and Lopez Nicolas, S., 1973, Med. Clin., Barcelona, v. 60 (2), 119-123
pleuropulmonary manifestations in human Fasciola hepatica, diagnosis by radiography and dysproteinemia

Diagnosis, Trematoda
Balbo, T.; et al., 1973, Ann. Fac. Med. Vet. Torino, v. 20, Suppl., 33-71
Fasciola hepatica, cattle (exper.), clinical and diagnostic aspects (coprology; blood picture; serum proteins; immunological determination of albumins and globulins; serum enzymes; bilirubin; BSF; serum minerals; body weight gain)

Diagnosis, Trematoda
Bayssade-Dufour, C., 1977, Compt. Rend. Acad. Sc., Paris, v. 284, s. D (3), 191-193
Schistosoma mansoni cercariae, 9 strains (4 African, 5 American), differences in chetotaxy

Diagnosis, Trematoda
Bereni; Bourgarel; and Amadou Sy, 1974, Medecine Afrique Noire, v. 21 (4), 297-306
Schistosoma haematobium, use of methergin and gynergene muscle constrictors to diagnose infection through excess passage of eggs in urine: Senegal

Diagnosis, Trematoda
Bergman, H.; and Friedenberg, R. M., 1971, N. York State J. Med., v. 71 (4), 453-454
human schistosomiasis, radiologic diagnostic features

Diagnosis, Trematoda
Berry, A., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 263-264 [Demonstration]
Schistosoma mattheei, S. haematobium, S. mansoni, single or mixed infections in humans, diagnosis of gynecological involvement using Papanicolaou cytologic smears

Diagnosis, Trematoda
Berry, A., 1976, Acta Cytol., v. 20 (4), 361-365
Schistosoma spp., differential diagnosis of ova especially when multispecies infections detected in female genital tract on cytology smears

Diagnosis, Trematoda
Brglez, J., 1976, Zborn. Bioteh. Fak. Univ. Ljubljani, Vet., v. 13 (2), 197-209
Strigea falconis, S. strigis, Apharyngostrigea cornu, morphology, histological sections give best results for identification

Diagnosis, Trematoda
Briggs, M.; Wenlock, R. W.; and Briggs, M. H., 1972, Med. J. Zambia, v. 6 (2), 39-41
comparison of serum proteins of healthy subjects and those of persons with untreated malaria, hookworm or schistosomiasis, possible diagnostic value: Zambia

Diagnosis, Trematoda
Brinkmann, A., jr., 1975, Medd. Grønland, v. 205 (2), 1-88
Gonocerca, differential diagnosis between species

Diagnosis, Trematoda
Cabrera, B. D.; and Vajrasthira, S., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (4), 509-518
Paragonimus, differentiating morphologic characteristics of cuticular spines and shape and branching of ovaries of 4 spp.

Diagnosis, Trematoda
Calamel, M., 1977, Rec. Med. Vet., v. 153 (5), 343-348
Dicrocoelium lanceolatum, lambs, indirect immunofluorescence diagnosis, 9 weeks earlier response for diagnosis than fecal examination

Diagnosis, Trematoda
Calamel, M.; and Giauffret, A., 1976, Rec. Med. Vet., v. 152 (2), 99-104
Dicrocoelium lanceolatum, 55 ewes, detailed examination of livers and rectal contents, comparison of individual and total results of fecal examination, correlation with numbers of parasites, statistical analysis, evaluation of quantitative data from fecal examinations for group diagnosis; degrees of infestation defined

Diagnosis, Trematoda
Carvalho, R. R. D.; et al., 1972, Neurobiol., v. 35 (2), 129-138
Schistosoma mansoni in 14-year old boy affecting spinal cord and nervous system, diagnosis after biopsy of lesion, clinical improvement with ambilhar: Brazil

Diagnosis, Trematoda
Chlebowsky, H. O.; and Zielke, E., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 181-182 [Letter]
Wuchereria bancrofti, Onchocerca volvulus in humans, diagnosis of microfilaruria using a modified membrane filter technique; application also to filtration of eggs from urine of persons suspected to have schistosomal infections: Liberia, West Africa

Diagnosis, Trematoda
Dubois, G., 1975, Bull. Soc. Neuchatel. Sc. Nat., 3. s., v. 98, 39-41
Gogatea, Neogogatea, morphological comparisons, distinguishing characters

Diagnosis, Trematoda
Fontan, R.; Beauchamp, F.; and Beaver, P. C., 1975, Bull. Soc. Path. Exot., v. 68 (6), 566-573
Paragonimus heterotremus established as source of human Paragonimus infection by diagnostic differentiation of eggs from those of P. westermani: Laos

Diagnosis, Trematoda
Gelfand, M., 1969, Med. J. Zambia, v. 3 (2), 14-25
diagnostic signs of human schistosomal disease with discussions on associated urinary tract pathology and possible relationships with hypertension and bladder cancer

Diagnosis, Trematoda
Gove, R. B., 1972, Med. J. Zambia, v. 6 (5), 149-155
routine rectal-sigmoid biopsy in diagnosed cases of Schistosoma haematobium urinary tract infections disclosed frequent concomitant Schistosoma mansoni infections of intestine: Zambia

Diagnosis, Trematoda
Grelck, H., 1976, Ztschr. Parasitenk., v. 50 (2), 181
fascioliasis, cattle, comparison of diagnostic methods (fecal examination, anthelmintic-induced egg shedding, latex agglutination, indirect immunofluorescence)

Diagnosis, Trematoda
Henriksen, S. A., 1977, Nord. Vet.-Med., v. 29 (10), 452-457
Fasciola hepatica, cattle (faeces), mixed infection with Buxtonella sulcata poses no problems in differential diagnosis relative to helminth eggs or coccidia: Kolding, Denmark

Diagnosis, Trematoda
Heyneman, D.; and Umathevy, T., 1966, Med. J. Malaya, v. 20 (4), 353-354
differentiation of Plagiorchis spp. cercariae using the patterns of their argentophilic cuticular structures

Diagnosis, Trematoda
Hillyer, G. V.; and Santiago de Weil, N., 1977, J. Parasitol., v. 63 (3), 430-433
Fasciola hepatica, rats, partial purification of antigen for immunodiagnosis by counterelectrophoresis, improved specificity, compared with immunodiffusion

Diagnosis, Trematoda
Hockley, D. J.; and McLaren, D. J., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 292 [Demonstration]
Schistosoma, scanning electron microscopy of dorsal surfaces of 8 species, presence or absence of tubercles and spines possibly related to age or environment or to strain or species differentiation

Diagnosis, Trematoda
Hoerchner, F.; Grelck, H.; and Flasshoff, F. G., 1976, Berl. u. Munchen. Tierarztl. Wchnschr., v. 89 (15), 296-300
Fasciola hepatica, cattle, diagnosis, comparison of one-time fecal examination and various serological tests, confirmation by post-mortem liver and bile examination; indirect immunofluorescence test better than agar gel precipitation, latex agglutination or fecal examination; duration of egg-shedding after treatment with Dirian

Diagnosis, Trematoda
Holler, A.; et al., 1976, Nouv. Presse Med., v. 5 (1), 39 [Letter]
Clonorchis sinensis in human, diagnosis by hepatic punch biopsy: France (Chinese native)

Diagnosis, Trematoda
Iio, M.; et al., 1971, J. Nuclear Med., v. 12 (10), 655-659
human Schistosoma japonicum, liver scanning as an aid to differential diagnosis of schistosomal hepatic lesions and evaluation of liver damage: Japan

Diagnosis, Trematoda
Kaufmann, J. C. E., 1969, Med. Proc., Johannesburg, v. 15 (20), 355-360
review of schistosomiasis of human central nervous system, pathology, location of lesions, diagnosis, review

Diagnosis, Trematoda
Kim, C. W., 1975, Progr. Clin. Path., v. 6, 267-288
extensive review of techniques used to diagnose human parasitic diseases

Diagnosis, Trematoda
Kitikoon, V.; Sornmani, S.; and Pathammavong, O., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 561-562 [Demonstration]
Schistosoma japonicum, differentiation of strains using the silver impregnation technique to demonstrate epidermal plates and papillae patterns among miracidia

Diagnosis, Trematoda
Kurniawan, A. N.; Hardjawidjaja, L.; and Clark, R. T., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 263-269
Schistosoma japonicum, clinical aspects and histo-pathology of human chronic hepatosplenic infections, diagnosis by liver biopsy: Indonesia

Diagnosis, Trematoda
Labay, G. R.; Mori, K.; and Datta, B., 1975, N. York State J. Med., v. 75 (3), 410-413
human schistosomal infections co-existing with ileocecal tuberculosis, 2 case reports, differential diagnosis difficult since dual infection mimicked a variety of ileocecal pathologic conditions: New York City

Diagnosis, Trematoda
Lambert, A., 1977, Bull. Mus. National Hist. Nat., Paris, 3. s. (429), Zool. (299), 177-214
Dactylogyridae, suggested that species be grouped by a morphological type

Diagnosis, Trematoda
Le Bras, M.; and Bertrand, E., 1975, Medecine Trop., v. 35 (3), 207
diagnosis of human hepatic schistosomiasis using angiography, peritoneoscopy and needle biopsy

Diagnosis, Trematoda
Lechtenberg, R.; and Vaida, G. A., 1977, Neurology, v. 27 (1), 55-59
human schistosomiasis with spinal cord involvement, case reports, pathology, recommendations for surgical laminectomy for decompression and diagnosis along with prompt treatment with niridazole and cortisone: New York (previous inhabitants of Puerto Rico or Dominican Republic)

Diagnosis, Trematoda
Le Fichoux, Y.; et al., 1975, Medecine et Malad. Infect., v. 5 (3), 168-172
adult Dicrocoelium dendriticum discovered in bile duct of woman undergoing surgery for biliary lithiasis, diagnosis, morphology, case report: France

Diagnosis, Trematoda
Leger, L.; et al., 1974, Medecine Trop., v. 34 (6), 725-736
Schistosoma mansoni, Schistosoma japonicum, human schistosomal hepato-splenic schistosomiasis, pathology, diagnosis, surgical treatment of circulatory complications, clinical review

Diagnosis, Trematoda
Lehman, J. S., jr., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 426-427 [Letter]
Schistosoma haematobium, phenolsulphonphthalein excretion test as possible simple and safe field technique for detection of schistosomal obstructive uropathy as alternative to intravenous urography which is expensive and dangerous

Diagnosis, Trematoda
Locatelli, A.; and Simonic, T., 1974, Folia Vet. Latina, v. 4 (1), 43-70
Fasciola hepatica, short review of physiology, biochemistry, pathogenicity, immunology, and diagnosis (fecal examination, complement fixation, precipitation, haemagglutination, flocculation, and allergy tests, indirect immunofluorescence)

Diagnosis, Trematoda
McMillan, B., 1972, Med. J. Australia, v. 2 (4), 223
value of rectal biopsy in diagnosis of human schistosomiasis

Diagnosis, Trematoda
Mangos, P.; and Menzies, S., 1973, Med. J. Australia, v. 1 (6), 295-296
Fasciola hepatica diagnosed by cholangiography, woman with symptoms of obstructive jaundice, surgical excision, case report: Australia

Diagnosis, Trematoda
Nozais, J. P.; Lebras, M.; and Doucet, J., 1975, Medecine Trop., v. 35 (6), 463-467
Schistosoma mansoni, Schistosoma haematobium, mass epidemiologic survey using indirect immunofluorescence test, species differentiation of positive cases using rectal biopsy and quantitative blood tests

Diagnosis, Trematoda
de Oliveira, D. N. G.; and Costa, J. C. de M., 1977, Exper. Parasitol., v. 43 (1), 244-247
Schistosoma mansoni, mice, cholesteryl ester profiles of plasma and liver, may be useful tool for evaluation of progress and prognosis of infection

Diagnosis, Trematoda
Palumbo, N. E.; Taylor, D.; and Perri, S. F., 1976, Lab. Animal Sc., v. 26 (3), 490-493
Platynosomum concinnum, cats, fecal technics for diagnosis, formalin-ether technic superior to direct smear, sugar flotation, zinc sulfate flotation, or detergent sedimentation technics

Diagnosis, Trematoda
Pecker, J.; et al., 1969, Neurochirurgia, v. 12 (6), 201-208
Schistosoma mansoni in humans, involvement of central nervous system, differential diagnosis of "myelitic" forms, case report, management: Martinique

Diagnosis, Trematoda
Pernet, A., 1976, Schweiz. Med. Wchnschr., v. 106 (44), 1503-1510
schistosomiasis, Swiss citizens who had lived in endemic areas, clinical review, pathology, epidemiology, immunity, diagnosis by biopsy most useful: Geneva

Diagnosis, Trematoda
Pieron, R.; et al., 1974, Medecine Afrique Noire, v. 21 (4), 255-266
Schistosoma haematobium, case report, schistosomal peritoneal granuloma and accompanying lung infection, differential diagnosis by biopsy: native of Mauritius living in France

Diagnosis, Trematoda
Plouvier, S.; Leroy, J. C.; and Colette, J., 1975, Medecine Trop., v. 35 (3), 229-230
simple filtration technique to diagnose human urinary schistosomiasis, useful in mass epidemiologic surveys, comparison with sedimentation-centrifugation technique

Diagnosis, Trematoda
Ramanaiah, B. V.; and Agarwal, S. M., 1969, Indian J. Helminth., v. 21 (1), 44-48
Clinostomum complanatum, C. giganticum and Euclinostomum heterostomum miracidia, number and arrangement of epidermal plates, diagnostic value

Diagnosis, Trematoda
del Rey Calero, J.; and Mira Gutierrez, J., 1970, Med. Trop., Madrid, v. 46 (1-4), 251-280
extensive review of histochemical methods used in staining, diagnosing and studying parasites

Diagnosis, Trematoda
Richard, J., 1976, Ann. Parasitol., v. 51 (1), 37-40
cercaria identified as belonging to genus Maritrema on basis of chetotaxy

Diagnosis, Trematoda
Richard, J., 1977, Parasitology, v. 75 (1), 31-43
Maritrema, Microphallus, cercariae, chaetotaxy, taxonomic value

Diagnosis, Trematoda
Richard, J.; and Bartoli, P., 1974, Bull. Mus. National Hist. Nat., Paris, 3. s. (233), Zool. (157), 845-853
Gymnophallus nereicola, G. fossarum, description of cercaria, distribution of cilia; differential diagnosis

Diagnosis, Trematoda
Riganti, M.; and Harinasuta, T., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (1), 153-154 [Demonstration]
Paragonimus westermani in man with history of bloody sputum, comparative diagnosis using both Pap smears and cell block studies of sputum: Thailand

Diagnosis, Trematoda
Ross, G. C., 1976, Comp. Biochem. and Physiol., v. 55 (3B), 343-346
Schistosoma spp., isoenzymes, lactate dehydrogenase, malate dehydrogenase, acid phosphatase, isoelectric focusing in polyacrylamide gel, possible applications in taxonomy and diagnosis, factors considered in assessing results (include age and sex of parasite, host relationships, etc.)

Diagnosis, Trematoda
Saathoff, M.; and Dogba, C., 1974, Tropenmed. u. Parasitol., v. 25 (4), 405-412
Schistosoma haematobium, human, prevalence survey, comparison of Cercarien-Hullenreaktion and indirect immunofluorescent antibody test with one another and with parasitologic diagnosis: south Togo

Diagnosis, Trematoda
Salah, L. A.; et al., 1976, J. Trop. Med. and Hyg., v. 79 (12), 270-274
Schistosoma mansoni, activity of serum enzymes of hepatic origin in men with active hepatic schistosomiasis and effect of niridazole therapy on enzyme activity

Diagnosis, Trematoda
Salih, S. Y.; Abu Sabaa, H. M.; and Ali, M. S., 1977, East African Med. J., v. 54 (8), 421-424
Schistosoma mansoni, humans, evaluation of peripheral eosinophilia in the presence of infection and its relationship to hepatomegaly; possible use as diagnostic feature

Diagnosis, Trematoda
San Antonio Alvarez, J., 1972, Med. Trop., Madrid, v. 48 (3-4), 154-181
life cycle and extensive clinical review of human urinary tract Schistosoma haematobium, diagnosis, pathology, case reviews, medical management: Republic of Zaire

Diagnosis, Trematoda
Shih, W.-J., 1976, J. Am. Med. Ass., v. 236 (10), 1116
diagnosis of Clonorchis sinensis in man by hepatic scan, history of raw and undercooked fish consumption, resolution of lesions after treatment with gentian violet and chloroquine: Taiwan

Diagnosis, Trematoda
Short, R. B.; and Kuntz, R. E., 1976, J. Parasitol., v. 62 (3), 420-425
Schistosoma mansoni, S. rodhaini, cercariae, numbers and patterns of argentophilic papillae, use in distinguishing species

Diagnosis, Trematoda
Szczygiel, B., 1974, Przegl. Lek., v. 31 (12), 997-999
human schistosomiasis, bladder calcifications in the course of bladder infections, radiologic aspects and diagnostic features

Diagnosis, Trematoda
Szczygiel, B., 1976, Przegl. Lek., v. 33 (10), 878-881
Schistosoma haematobium, humans, visualization of male urethra in cases of bladder schistosomiasis using ascending urethrography

Diagnosis, Trematoda
Takahashi, T.; et al., 1975, Nippon Kyobu Shikkan Gakkai Zasshi (Japan. J. Thorac. Diseases), v. 13 (3), 169-173
Paragonimus miyazakii, man with history of having eaten raw fresh water crabs (Potamon dehaani), clinical signs of bilateral pleural effusion and solitary nodular lesion on X-ray, case report: Japan

Diagnosis, Trematoda
Teesdale, C. H.; and Amin, M. A., 1976, J. Helminth., v. 50 (1), 17-20
Schistosoma mansoni, human, field diagnosis, comparison of modified Kato thick smear technique, Bell filtration technique, and a digestion method, modified Kato technique was method of choice

Diagnosis, Trematoda
Teesdale, C. H.; and Amin, M. A., 1976, Bull. World Health Organ., v. 54 (6), 703-705
Schistosoma mansoni in humans, fecal examination technique using thick glass cover-slips, useful in diagnostic epidemiologic surveys, compares favorably with standard Kato and Miura method

Diagnosis, Trematoda
Tuchinda, S.; Gaew-Im, K.; and Plengvanit, U., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 263-269
human hepatic opisthorchiasis, diagnostic radiologic findings of uniform dilatation of intrahepatic bile ducts with clubbing or cystic formation at ends

Diagnosis, Trematoda
Vasilev, I.; and Osikovski, E., 1974, Izvest. Tsentral. Khelmint. Lab., v. 17, 43-50
Philophthalmus posaviniensis, P. cupensis, P. sp., Hyptiasmus; water-soluble proteins, disc electrophoresis in polyacrylamide gel, difference in electrophoretic pattern between genera, but none between the 3 species of Philophthalmus, concluded that they are one species

Diagnosis, Trematoda
Viranuvatti, V.; and Stitnimankarn, T., 1972, Progr. Liver Diseases, v. 4, 537-547
liver fluke infections and infestations, review of epidemiology, pathology, clinical manifestations, treatment and control of human infections in Southeast Asia

Diagnosis, Trematoda
Warren, K. S.; and Mahmoud, A. A. F., 1975, J. Infect. Dis., v. 131 (5), 614-620
algorithms in the diagnosis and management of human forms of schistosomiasis in nonendemic areas

Diagnosis, Trematoda
Warren, K. S.; and Mahmoud, A. A. F., 1977, J. Infect. Dis., v. 135 (4), 692-696
algorithms in the diagnosis and management of human liver, intestinal and lung flukes

Diagnosis, Trematoda
Watanabe, M.; Shishido, T.; and Kuramoto, S., 1975, No To Shinkei (Brain and Nerve), v. 27 (4), 395-405
cerebral schistosomal granuloma in young child, differential diagnosis, surgical excision of granuloma, case report: Japan

Diagnosis, Trematoda
Whitehead, R., 1973, Major Problems Path., v. 3, 105-110
human intestinal infection, diagnosis, pathological appearance of mucosal biopsy of gastrointestinal tract

Diagnosis, Trematoda
Wikerhauser, T.; and Kuticic, V., 1975, Acta Parasitol. Iugoslavica, v. 6 (1), 19-23
Fasciola hepatica, differentiating metacercariae from those of Paramphistomum microbothrium, in vitro viability test, selective excystment by timing of artificial digestion; Fasciola hepatica metacercariae less pigmented

Diagnosis, Trematoda
Willie, S. M.; and Snyder, R. N., 1977, Acta Cytol., v. 21 (1), 101-102
Paragonimus westermanii in man presenting as ulcerated granular mucosa in bronchus, diagnosis using Papanicolaou staining of bronchial washings, probable transmission from eating raw and pickled crayfish when on visit to Korea: California (Korean born)

Diagnosis, Trematoda
Wood, I. J.; Stephens, W. B.; and Porter, D. D., 1975, Med. J. Australia, v. 2 (22), 829-831
Fasciola hepatica liver infections in husband and wife who had eaten watercress contaminated by cattle, problems in diagnosis solved only by pathology discovered in diagnostic surgery, good responses to emetine and chloroquine therapy: Victoria, Australia

Diagnosis, Trematoda
Yeh, S. D. J.; McSweeney, J.; and Shiu, M. H., 1977, N. York State J. Med., v. 77 (3), 396-399
Schistosoma japonicum in immigrant Chinese presenting as hepatoma, diagnosed at surgical intervention, significance of differential diagnosis of liver masses in immigrants from Orient: New York City

Diagnosis, Trematoda
Zeltner, J. M.; and Berthoud, S., 1977, Praxis, Bern, v. 66 (8), 227-234
Schistosoma spp., diagnostic problems and clinical aspects of infections in humans observed in Switzerland after previous travel to endemic areas: Geneva

Diagnosis, Xenodiagnosis
Barrett, T. V.; and de Oliveira, T. S., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 445-446
Trypanosoma rangeli-like trypanosome in Rhodnius domesticus (haemolymph, hindgut, rectum), possible source of confusion in xenodiagnosis for Trypanosoma cruzi as the agent of human Chagas disease: Brazil

Diagnosis, Xenodiagnosis
Christensen, H. A.; and Herrer, A., 1976, J. Med. Entom., v. 12 (4), 477-478
positive xenodiagnostic trials with Lutzomyia vespertilionis feeding on trypanosome-infected Saccopteryx bilineata and Peropteryx macrotis, trypanosome from S. bilineata tentatively identified as Trypanosoma leonidasdeanei, potential of sand fly as vector, localization of parasite in alimentary tract: Panama

Diagnosis, Xenodiagnosis
Kim, C. W., 1975, Progr. Clin. Path., v. 6, 267-288
extensive review of techniques used to diagnose human parasitic diseases

Diagnosis, Xenodiagnosis
Marsden, P. D.; et al., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (3), 247-251
Trypanosoma cruzi, rhesus monkeys (exper.), xenodiagnosis superior to blood culture or animal inoculation in detecting subpatent infection, serological reactions during early chronic phase and reactions to challenge with different strain, possible application as model for human infections

Diagnosis, Xenodiagnosis
Maudlin, I., 1976, Nature, London (5565), v. 262, 214-215
Trypanosoma cruzi, selection of both susceptible and refractory lines of Rhodnius prolixus, results of selection program related to genetic control of susceptibility to infection, using only male bugs of susceptible stock for xenodiagnosis should enhance sensitivity of this diagnostic test for chronic Chagas' disease

Diagnosis, Xenodiagnosis
Miles, M. A.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 377-382
Trypanosoma cruzi, chronic infection in Macaca mulatta; Triatoma infestans and Panstrongylus megistus more efficient than Rhodnius prolixus for xenodiagnosis in comparative trials

Diagnosis, Xenodiagnosis
Minter, D. M.; Minter-Goedbloed, E.; and Ferro Vela, C., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (6), 530-541
Trypanosoma cruzi, naturally and experimentally infected human and animal hosts, xenodiagnosis using first-instar triatomines

Diagnosis, Xenodiagnosis
Neal, R. A., 1977, Ann. Trop. Med. and Parasitol., v. 71 (1), 119-120
Trypanosoma cruzi, influence of stage of infection in guinea pigs on infectivity to Rhodnius prolixus used in xenodiagnosis

Diagnosis, Xenodiagnosis
Neal, R. A.; and Miles, R. A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 380 [Demonstration]
Trypanosoma cruzi, sensitivity of 5 culture media in detecting experimental infections and comparison of culture and xenodiagnosis

Diagnosis, Xenodiagnosis
Patterson, J. W.; and Miles, M. A., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 442 [Demonstration]
Trypanosoma cruzi-infected Rhodnius prolixus, trypanosome density in rectum, xenodiagnosis most efficient at 25 days after blood meal

Diagnosis, Xenodiagnosis
Rohwedder, R. W.; et al., 1970, Bol. Chileno Parasitol., v. 25 (3-4), 106-110
Trypanosoma cruzi, human, recommendations for use of triatomid bugs in xenodiagnosis, best time for liquification and examination at peak parasitism

Diapause. See Life cycle.

Diaphragm
Martin Trenor, A.; et al., 1974, Arch. Inst. Cardiol. Mexico, v. 44 (6), 902-911
Entamoeba histolytica pericarditis in 4-year-old child with resulting diaphragmatic hernia, case report: Mexico

Diarrhea
Barnham, M., 1977, Lancet, London (8047), v. 2, 1077-1078 [Letter]
Chilomastix mesnili, possible pathogenicity in humans, resolution of diarrhea and parasite trophozoites in feces with metronidazole therapy

Diarrhea
Black, R. E.; et al., 1977, Pediatrics, Am. Acad. Pediat., v. 60 (4), 486-491
Giardia lamblia, severe diarrhea affecting 54% of children in day care center, suggestion of fecal-oral transmission from child to child and from infected children to their families, also possibility of infected fomites, epidemiologic survey: Georgia

Diarrhea
Bueno, L.; Dorchies, P.; and Ruckebusch, Y., 1976, Compt. Rend. Soc. Biol., Paris, v. 169 (6), 1975, 1627-1632
Trichostrongylus, lambs (exper.), disturbances in gastrointestinal motility preceding diarrhea, electromyographic analysis, effect of thiabendazole treatment

Diarrhea
Burden, D. J., 1976, Parasitology, v. 73 (2), iv-v [Abstract]
Blastocystis sp., pigs, frequently found in feces of cases of diarrhea and dysentery, causal relationship not established

Diarrhea
Chiejina, S. N.; and Mason, J. A., 1977, Vet. Rec., v. 100 (17), 360-361
Trichonema longibursatum, T. catinatum, horses, maturation of inhibited 3rd stage larvae in intestinal mucosa causing diarrhoea in spring: [Britain]

Diarrhea
DuPont, H. L.; et al., 1976, N. England J. Med., v. 295 (27), 1520-1521
Entamoeba histolytica and Giardia lamblia classified as pathogens in survey of Latin American and United States students' susceptibility to travellers' diarrhea; repeated exposure to G. lamblia may not lead to protective immunity as parasite commonly found in symptomatic and asymptomatic persons: Mexico

Diarrhea
Forman, D. W.; et al., 1971, Am. J. Trop. Med. and Hyg., v. 20 (4), 598-601
parasitic pathogens discovered during etiologic survey of causes of diarrheal disease in U.S. Marines in Vietnam

Diarrhea
Franco Ramirez, G.; Perez Norzagaray, J.; and de Saade, M. T., 1970, Pediatria, Bogota, v. 11 (4), 379-384
amoebiasis in nursing infants causing acute diarrhea, established as clinically distinct form from that of adults, diagnosis, pathology, clinical aspects: Colombia

Diarrhea
Gilman, R. H.; et al., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (2), 186-189
Entamoeba histolytica, significant correlations with presence of Edwardsiella tarda in stools of persons with bloody diarrhea, disappearance of both organisms from stools of patients treated with metronidazole: Malaysia

Diarrhea
Gorbach, S. L.; et al., 1975, N. England J. Med., v. 292 (18), 933-936
Entamoeba histolytica possible contributing factor in travellers' diarrhea in only 6% of 133 persons studied (heat labile toxigenic Escherichia coli responsible for 70%): Mexico

Diarrhea
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dogs, eosinophilic gastroenteritis occurring simultaneously with visceral larva migrans and manifesting as chronic diarrhea, clinico- and histopathology, case reports, nematode larvae found in lesions of 3 of 5 cases, identified as Toxocara canis in 1

Diarrhea
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Giardia lamblia, common cause of prolonged diarrhea in adults, clinical review

Diarrhea
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treatment trials in children with diarrhea from severe Trichuris trichiura infection or mixed infections with Entamoeba histolytica, comparison of thiabendazole alone or in combination with hexylresorcinol as single retention enema: Kuala Lumpur

Diarrhea
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Giardia lamblia and Entamoeba histolytica, very low incidence, possible cause of diarrhea in survey of large group traveling in Mexico

Diarrhea
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Giardia lamblia, woman, severe debilitating diarrhea, diagnostic problems, relationship to foreign travel, metronidazole, quinacrine, or furazolidone: Tennessee

Diarrhea
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lambliasis in children as cause of prolonged diarrhea, clinical and diagnostic aspects

Diarrhea
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human Giardia lamblia with associated chronic diarrhea and malabsorption syndrome, case reports, clinical aspects: Finland

Diarrhea
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Blastocystis hominis, human, possibly cause of persistent diarrhea, production of similar symptoms in germfree guinea pigs which were inoculated with B. hominis and the enteric flora from symptomatic human patients

Diarrhea
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gastrointestinal nematodes, coccidiosis, diarrhea of sheep, age and seasonal factors: Britain

Diarrhea
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Giardia lamblia in humans, variations in intestinal pathology associated with mucosal invasion by parasites, causal relationship with accompanying diarrhea and steatorrhea

Diarrhea
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Eimeria spp., lambs kept on straw bedding vs. expanded metal flooring showed higher fecal oocyst counts, diarrhea, greater weight loss, and some fatalities; causal agents of disease appear to be E. ninaekohlyakimovae and/or E. arloingi with concurrent increase of intestinal Cl[ostridium] welchii type A

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Giardia lamblia, common cause of prolonged diarrhea in adults

Diarrhea
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metronidazole tested as chemoprophylaxis for diarrhea caused by Giardia lamblia and Entamoeba histolytica

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Ascaris, Entamoeba histolytica, Giardia lamblia, children with diarrheal disease, survey, no correlation with toxinogenic bacteria in stools: Ethiopia

Diarrhea
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human amoebiasis, differential diagnosis of causes of diarrhea with and without fecal blood, comparison study of direct stool examination, sigmoidoscopy and rectal biopsy

Diarrhea
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Diet. [See also Nutrition; Vitamins]

Diet, Host
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possible synergistic interaction between schistosomal infection and protein malnutrition reducing host resistance and increasing parasite numbers, trials in mice

Diet, Host
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effect of protein level in diet and host age on antibody production, Schistosoma mansoni-infected mice

Diet, Host
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Trypanosoma rhodesiense, T. lewisi, rats on normal or folic acid deficient diets, mitotic activity in liver; folate content of trypanosomes and their metabolic products

Diet, Host
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Diet, Host
Al-Baldawi, F. A. K.; et al., 1976, Parasitology, v. 73 (2), xviii [Abstract]
Litomosoides carinii in protein-deficient cotton rats, immune response assessed by measuring IgG, IgM, and anaphylactic antibody level

Diet, Host
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Ancylostoma ceylanicum, A. caninum, hookworm anemia in dogs (exper.) influenced by their iron reserve and dietary iron, no difference between effects of hookworm infection on iron metabolism in dogs with normal and deficient iron reserves

Diet, Host
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Nosema kingi, longevity of Drosophila willistoni host, varied diets and age of host at time of infection; host susceptibility at various ages

Diet, Host
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Digenea of Larus canus, incidence and intensity, age of host, seasonal variation, distribution in alimentary canal; relationship to host habitat, food, and breeding behavior: Norway

Diet, Host
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Diet, Host
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Schistosoma mansoni-infected Biomphalaria glabrata with discontinued food supply, raised excretion of urea

Diet, Host
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Trichostrongylus colubriformis, Eimeria ninakohlyakimovae, changes in weight gains, feed conversion efficiency, and wool fiber diameter in lambs maintained on 2 different diets (good ration; marginal diet)

Diet, Host
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Fasciola hepatica, sheep, role of host nutrition in pathogenesis, effects of diets providing different protein intake and of a switch from high to low protein diet on anemia, hypoalbuminemia, and weight

Diet, Host
Bingham, A.; et al., 1976, Parasitology, v. 73 (2), xxxii-xxxiii [Abstract]
Litomosoides carinii in cotton rats and fast-growing white rats fed a vitamin E deficient diet, plasma enzyme activity, size of worms

Diet, Host
Canale, A.; et al., 1973, Ann. Fac. Med. Vet. Torino, v. 20, Suppl., 72-82
Fasciola hepatica, calves (exper.), no strong variations in ability to digest diet as compared to controls, not an explanation for observed growth deficiencies

Diet, Host
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Diet, Host
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incidence, intensity, host diet, habitat; ecological relationships of larval ascaridoids from marine fishes: south-eastern Queensland

Diet, Host
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course of infection with Trichinella spiralis and Hymenolepis diminuta when a parasitized, enterally fed rat is switched to total parenteral nutrition

Diet, Host
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Physaloptera maxillaris in Mephitis mephitis, seasonal distribution of adults and third- and fourth-stage larvae, analysis of data relates various stages found to feeding behavior of skunk throughout year, third-stage larvae determined to be overwintering stage: Guelph, Ontario

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trematodes of rodents, relationships to humid habitat and mixed vegetable and animal diet of hosts: Roumanie

Diet, Host
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Diet, Host
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Schistosoma mansoni cercarial yields in relation to diet and crowding of Biomphalaria glabrata in laboratory colonies

Diet, Host
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parasitic diseases, calves, prophylaxis using food and sanitary preparations, levamisole chlorhydrate for internal helminths, carbamates or organophosphorus compounds for scabies, economical in large fattening farms

Diet, Host
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Nippostrongylus brasiliensis, dispersion in rat intestine related to host feeding and diet

Diet, Host
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host-parasite relationships in alimentary tract of domestic birds, extensive review: nutrition of domestic birds; alimentary tract as habitat for parasites; alimentary tract of germ-free birds; parasite distribution within alimentary tract; relationships between parasites and host digestive physiology and nutrition

Diet, Host
Crompton, D. W. T.; and Nesheim, M. C., 1977, Parasitology, v. 75 (2), xxi-xxii [Abstract]
Moniliformis dubius, rats, effect of host dietary starch on course of infection

Diet, Host
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Bothriocephalus gowkongensis, determination of pH of cestode and of intestine of carp host, comparison of fed and starved carp

Diet, Host
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Haematoloechus breviplexus, H. coloradensis, incidence and intensity in frogs, size (age), feeding preferences, and sex of hosts

Diet, Host
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Ascaridia galli larvae, chickens fed with amino acid-deficient cereal diet, effect on components of blood serum

Diet, Host
Duncan, N., 1976, Mammal Rev., v. 6 (2), 63-74
Skrjabingylus nasicola, theoretical aspects of transmission to stoats and weasels based on laboratory study of food habits under conditions of food abundance and food shortage; extent of skull damage in weasels

Diet, Host
Dunkley, L. C.; and Mettrick, D. F., 1976, Canad. J. Zool., v. 54 (7), 1073-1078
Hymenolepis diminuta, rat, effect of increasing host dietary carbohydrate uptake on growth of 14-day-old worms, comparison of glucose vs. cornstarch diets

Diet, Host
Dunkley, L. C.; and Mettrick, D. F., 1977, Exper. Parasitol., v. 41 (1), 213-228
Hymenolepis diminuta, rats, dietary carbohydrate intake, host's intestinal and blood plasma glucose levels, worm migration

Diet, Host
Eling, W.; and Jerusalem, C., 1977, Tropenmed. u. Parasitol., v. 28 (2), 158-174
Plasmodium berghei infected mice (exper.), immunization studies using sulfathiazole-treated drinking water and comparison with para-aminobenzoic acid deficient diet for control of parasitic proliferation during sensitization period; balance between suppressive effect of drug and survival of parasites in treated host is important for induction of immunity

Diet, Host
Enigk, K.; Feder, H.; and Dey-Hazra, A., 1976, Zentralbl. Vet.-Med., Reihe B, v. 23 (3), 255-264
Taenia hydatigena, pigs, sheep, normal and high mineral diets, mineral, enzyme, and fatty acid content of cysts and of host blood

Diet, Host
Ezigbo, J. C.; et al., 1976, Parasitology, v. 73 (2), xxxii [Abstract]
filariasis in normal and protein-deficient cotton rats, serum enzyme levels

Diet, Host
Fung, H. P., 1975, J. Chinese Soc. Vet. Sc., v. 1 (2), 83-86
Trypanosoma evansi-inoculated mice, influence of glucose on number of parasites found

Diet, Host
Ghazal, A. M.; and Avery, R. A., 1976, Parasitology, v. 73 (1), 39-45
Hymenolepis nana, white mice, transmission rate, exposure in small cages to parasite eggs or to feces from infected mice, increased likelihood of infection with prior host starvation probably due to increased coprophagy

Diet, Host
Gingrich, R. E., 1973, J. Med. Entom., v. 10 (5), 482-487
Hypoderma lineatum, effects of host diet and immunosuppressant treatments (rabbit anti-mouse lymphocyte serum and whole-body irradiation) on survival and growth of larvae and on susceptibility of Mus musculus to infestation

Diet, Host
Gladney, W. J.; et al., 1973, J. Med. Entom., v. 10 (2), 123-130
Boophilus annulatus, Holstein cattle (exper.), high protein and fat diet vs. low protein and fat diet, effect on host resistance, hematocrit, and serum cholesterol values, and on tick development and numbers; host resistance primarily physiological rather than behavioral (self grooming)

Diet, Host
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influence of polfamix, polfasol and dehelminthization with piperazine adipate, fattening of pigs

Diet, Host
Hale, O. M.; Stewart, T. B.; and Johnson, J. C., jr., 1977, Research Bull. (203) Agric. Exper. Stations Univ. Georgia, 3-21
Strongyloides ransomi, Ascaris suum, naturally infected gilt and/or barrow crossbred pigs, superimposed S. ransomi infection, differences in performance with diets of varying levels of protein and vitamins not significant

Diet, Host
Hanuskova, Z.; and Tilc, K., 1975, Acta Vet. Brno, v. 44 (4), 407-412
nematodes, incidence in Agrionemys horsfieldi (intestine) with regard to unsuitable conditions and food: Czechoslovakia, imported from USSR

Diet, Host
Henricson, I.; and Nyman, L., 1976, Norwegian J. Zool., v. 24 (4), 465-466 [Abstract]
parasitism of sibling species of Salvelinus alpinus species complex correlated with food habits of host: southern Swedish Lapland

Diet, Host
Horton, G. M. J.; et al., 1977, J. South African Vet. Ass., v. 48 (2), 99-103
Trichostrongylus colubriformis, lambs (exper.), effect of host diet low in selenium as compared to diets supplemented with vitamin E and selenium, pathology, haematological changes, serum enzyme changes

Diet, Host
Hughes, W. T.; Sanyal, S. K.; and Price, R. A., 1976, National Cancer Inst. Monograph (43), 77-88
Pneumocystis carinii pneumonia in humans, differential diagnosis, clinical manifestations, pathophysiology of infection, close association with protein-calorie deprivations

Diet, Host
Hussein, H. S., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 5 [Demonstration]
Babesia microti and B. hylomysci infections in mice on a milk diet, experiments showed dependence of both species on dietary supply of p-aminobenzoic acid (PABA) to synthesize folic and folinic acids

Diet, Host
Jablonowski, Z., 1970, Acta Parasitol. Polon., v. 17 (20-38), 271-284
Ascaris suum, guinea pigs, vitamin C-deficient diet, haemogram level, serum total protein and protein fractions, vitamin C content of various organs

Diet, Host
Jordan, H. E.; et al., 1977, Am. J. Vet. Research, v. 38 (8), 1157-1160
Ostertagia ostertagi, Cooperia, influence on energy efficiency in full-fed vs. maintenance-fed steers with high vs. low worm burdens (low worm burdens did not significantly effect energy utilization; in full-fed steers, energy retention was greater in steers with lower worm burdens; maintenance-fed steers were more heavily parasitized than full-fed steers)

Diet, Host
Kershaw, W. E.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 11-12 [Demonstration]
Litomosoides carinii, effect of host dietary fat content on growth and development of parasite and cotton rat hosts

Diet, Host
Kershaw, W. E.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 11-12 [Demonstration]
Litomosoides carinii, effect of protein-deficient diets on growth and development of parasites and cotton rat hosts

Diet, Host
Kershaw, W. E.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 11-12 [Demonstration]
Litomosoides carinii, serum immunoglobulin levels in cotton rats on protein-deficient diets

Diet, Host
Khachoian, V. I.; Arakelian, L. A.; and Balaian, D. E., 1976, Biol. Zhurnal Armenii, v. 29 (12), 31-34
Trypanosoma lewisi, exper. rats with copper-deficient diet, hypocupremia, acute invasive process ending in death; nonspecific resistance lowered

Diet, Host
Kilgour, V.; and Godfrey, D. G., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 258 [Abstract]
Trypanosoma brucei brucei in mice, influence of dietary pyridoxine

Diet, Host
Komuniecki, R.; and Roberts, L. S., 1975, J. Parasitol., v. 61 (3), 427-433
Hymenolepis diminuta, roughage and carbohydrate content of host diet for optimal parasite growth and development

Diet, Host
Komuniecki, R. W.; and Roberts, L. S., 1977, Comp. Biochem. and Physiol., v. 57 (1B), 45-49
Hymenolepis diminuta, hexokinase, purification and characterization, host rat starvation and refeeding have no effect on soluble hexokinase activity in this helminth

Diet, Host
Kretschmar, W.; and Voller, A., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (1), 51-59
Plasmodium falciparum, suppression of malaria in Aotus trivirgatus fed exclusively on milk diet, indicates that P. falciparum is dependent on exogenous p-aminobenzoic acid supply for normal growth, supports view that dietary factors are involved in infant resistance to malaria

Diet, Host
Lara, S. I. M.; de Oliveira, C. M. B.; and Porto, J. C. A., 1976, Arq. Escola Vet. Univ. Fed. Minas Gerais, v. 28 (1), 93-99
Haemonchus sp., sheep (exper.), cobalt sulfate diet supplement, increased production and size of eggs, lower number of worms in autopsy

Diet, Host
Lee, C. M.; Aboko-Cole, G. F.; and Fletcher, J., 1976, Ztschr. Parasitenk., v. 49 (1), 1-10
Trypanosoma musculi, vitamin A-deficient mice, increased parasitemia, delayed action of reproductive-inhibiting and terminal lytic antibodies, increase in body weight gains and food consumption

Diet, Host
Lee, C. M.; George, Y. G.; and Aboko-Cole, G. F., 1977, Internat. J. Biochem., v. 8 (7), 525-529
Trypanosoma lewisi in iron-deficient rats, parasitemias, trypanosome cell size and antibody formation, host body weight gains and food consumption

Diet, Host
Lim, B. L., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (4), 530-533
Gnathostoma spinigerum adult worms removed from naturally infected Prionodon linsang (stomach) during survey for possible infections in civet and wild cats, morphologic statistics, discussion of civet cat dietary habits in relationship to infection: Bukit Mandol Forest Reserve, Selangor, Kuala Lumpur

Diet, Host
Lim, B. L.; and Betterton, C., 1977, J. Helminthol., v. 51 (4), 295-299
Paragonimus westermani found in felid but not in viverrid cats, analysis of stomach contents revealed no remains of crab intermediate hosts in either family of cats, in feeding experiments only viverrids ate host crabs, probable transmission of P. westermani to felids via paratenic hosts: Malaysia

Diet, Host
Lockard, L. L.; and Parsons, R. R., 1975, Great Basin Nat., v. 35 (4), 425-426
Marsipometra hastata, Marsipometra parva, higher intensity of infection in female paddlefish (Polyodon spathula) due to their larger size and greater food intake: Yellowstone River near Intake, Montana

Diet, Host
Lockard, L. L.; Parsons, R. R.; and Schaplow, B. M., 1975, Great Basin Nat., v. 35 (4), 442-448
Salmo trutta (upper digestive tract), relationship of incidence and intensity of nematode infection to age and sexual maturity of host, higher infection rate in sexually mature trout due to aggressive feeding behavior: streams in southern and western Montana

Diet, Host
McLeod, C. C.; Wolff, J. E.; and Schwarz, G., 1976, N. Zealand J. Exper. Agric., v. 4 (2), 219-225
thiabendazole and selenium drenching, weaned Merino or halfbred ewe lambs, grazing on pasture or in paddocks with supplementary feeding, live-weight gain, wool weights: South Canterbury

Diet, Host
Milbrink, G., 1975, Rep. (54) Inst. Freshwater Research Drottningholm, Sweden, 36-51
Caryophyllaeus laticeps, seasonal incidence, ages of parasite and worm burden in bream; estimating host diet of intermediate hosts from parasite incidence; C. laticeps incidence in relation to Ligula intestinalis incidence

Diet, Host
Monteoliva, M.; Benito, M.; and Hermoso, R., 1973, Rev. Iber. Parasitol., v. 33 (4), 515-524
Ascaris lumbricoides, perivisceral liquid, statistical analysis of content of proteins, hemoglobin and "adenine derivatives"; protein and hemoglobin content influenced by intestinal content and diet of host but not by maturity of parasite; types of proteins dependent on weight and maturity of parasite

Diet, Host
Nadakal, A. M.; et al., 1973, Riv. Parassitol., Roma, v. 34 (3), 185-191
Raillietina tetragona, resistance potential of four breeds of domestic fowl on protein-deficient diet, normal development of worms seems independent of quantity of protein ingested by host, protein deficiency symptoms were intensified with worm infection

Diet, Host
Nadakal, A. M.; et al., 1975, Riv. Parassitol., Roma, v. 36 (1), 41-46
Raillietina tetragona, four breeds of domestic chickens, calcium deficient diets, significant depression of weight gains, breed differences in calcium content of worms and total leucocyte values of host birds

Diet, Host
Nasir, P., 1973, Riv. Parassitol., Roma, v. 34 (3), 169-180
cercarial biology: developmental anomalies; emergence in relation to light, host starvation, temperature, rough handling of host or changed environment, and number of parthenitae within snails

Diet, Host
Nesheim, M. C.; et al., 1977, Proc. Roy. Soc., London, s. B (1128), v. 197, 363-383
Moniliformis dubius, course of infection, growth, and reproduction in rats fed on diets of various compositions

Diet, Host
Parkins, J. J.; Holmes, P. H.; and Bremner, K. C., 1973, Research Vet. Sc., v. 14 (1), 21-28
Ostertagia circumcincta, effects of different infection levels on feed intake, apparent digestibility, and nitrogen balance in Blackface sheep when fed rations of different nitrogen content

Diet, Host
Pascoe, D.; and Mattey, D., 1977, Ztschr. Parasitenk., v. 51 (2), pp. 179-186
Schistocephalus solidus-parasitized Gasterosteus aculeatus, 3 different feeding levels, compared with parasite-free fish; parasitized fish on restricted diets died before parasite-free fish; feeding rate to maintain total body weight higher in parasite-free fish, may reflect greater gross efficiency of parasite

Diet, Host
Petersen, J. J., 1973, J. Med. Entom., v. 10 (1), 75-79
Reesimermis nielseni, mass production using Culex pipiens quinquefasciatus, effects of host density, parasite-host ratio, and amount of food fed to host on percentage of parasitism and female nemas produced

Diet, Host
Plasota, K., 1969, Acta Parasitol. Polon., v. 16 (1-19), 1968-1969, 47-60
helminths of frogs, comparison of aquatic and terrestrial hosts, relation of parasite fauna to environment, food supplies and food habits, host life cycle, temperature, rainfall, season, age and sex of host, competition between species of parasite, localization within host: Kampinos National Park, Poland

Diet, Host
Potter, L. M.; and Shelton, J. R., 1977, Poultry Science, v. 56 (5), 1748-1749 [Abstract]
large white female turkeys, effects of varying protein and methionine levels and of adding anticoccidial agents in their diets to 16 weeks of age, body weights from anticoccidial treatment not significantly different

Diet, Host
Pout, D. D., 1974, Brit. Vet. J., v. 130 (1), 54-60
E[imeria] crandallis, E[imeria] arloingi 'B', lambs (exper.), effects on host growth, food intake, faecal oocyst production and clinical symptoms; results indicate that diet may influence the total body response to infection in experimental animals

Diet, Host
Rao, K. B. V., 1975, Indian J. Zool., v. 3 (1-2), 51-53
Trypanosoma saccobranchi in Saccobranchus fossillis (blood), intensity of infection higher in fishes continuously fed with earthworms than those not given food, preliminary experiment: pond near Hyderabad

Diet, Host
Rao, V. G.; and Padma, M. C., 1975, Indian J. Exper. Biol., v. 13 (2), 168-171
Entamoeba histolytica, rats on low protein, low vitamin diet, increased susceptibility, poor immune response as shown by haemagglutination test

Diet, Host
Ricciardi, M. L., 1972, Parassitologia, v. 14 (2-3), 347-351
survey of human intestinal parasites, comparison between Bantu and immigrated Europeans living on same farm, differences due to environmental, hygienic and dietary conditions: district of Lobaye

Diet, Host
Ross, G. W.; and Knight, R., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 560-567
Entamoeba histolytica, dietary factors affecting pathogenicity in rats, effect of low protein and low protein-high carbohydrate diets, measurements of bacterial flora, pH, and redox potential

Diet, Host
Ryley, J. F.; and Hardman, L., 1977, Parasitology, v. 75 (2), xv [Abstract]
Eimeria spp., effect of vitamin K-deficient diets on infection and in particular on effectiveness of anti-coccidial drugs, concluded that use of deficient diet in screening and evaluating drugs is justified

Diet, Host
dos Santos, M. D.; Viana, E. S.; and Ferreira, J. M., 1976, Arq. Escola Vet. Minas Gerais, v. 28 (3), 297-306
influence of diet, banminth II and gastrointestinal nematodes on serum proteins of sheep

Diet, Host
Saoud, M. F. A.; and Ramadan, M. M., 1976, Ztschr. Parasitenk., v. 51 (1), 37-47
helminth parasites of bats, relationships among and within groups of helminths, effect of host sex and diet: Egypt

Diet, Host
Saowakontha, S., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (1), 37-40
Trichinella spiralis, absorptive functions of intestines of infected rats on low and high protein diets were not impaired either in early or late intestinal phases of infections as tested by D-xylose absorption

Diet, Host
Saowakontha, S., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (4), 586-592
Trichinella spiralis, rats (exper.), effects of different levels of protein in diet on numbers of intestinal worms and muscular larvae and on intensity of infections in hosts of varying weights and ages

Diet, Host
Saowakontha, S., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (1), 79-81
Trichinella spiralis, no differences between number of worms in immunized rats (exper.) fed low or high protein diets, significantly lower number of worms in immunized rats compared with rats not immunized

Diet, Host
Seitz, H. M., 1975, Tropenmed. und Parasitol., v. 26 (4), 417-425
Plasmodium berghei, strain K 173 in isogenic mouse strains (exper.), infection course, immunization by intermittent suppression of parasite multiplication by maintaining mice on milk diets of varying lengths, F1-hybrids most resistant and immunization attempts most successful with this strain

Diet, Host
Seitz, H. M., 1976, Tropenmed. u. Parasitol., v. 27 (1), 33-43
description of antigens and antibodies demonstrated during course of Plasmodium berghei infections in mice, comparison of animals with lethal infections and those maintained on milk-diet suppressed infections

Diet, Host
Sen, D. K.; and Jones, W. R., 1973, J. Protozool., v. 20 (4), 504
Trypanosoma duttoni, growth response of mice on normal vs. pyridoxine-deficient diet compared with uninfected controls

Diet, Host
Sen, D. K.; and Jones, W. R., 1974, J. Protozool., v. 21 (3), 446 [Abstract]
Trypanosoma duttoni, castrated and uncastrated mice on two different diets, growth response and parasitemia

Diet, Host
Sen, D. K.; and Lin, V. K., 1973, J. Protozool., v. 20 (4), 503-504
Trypanosoma duttoni, development in mice fed normal vs. pyridoxine-deficient diet and infected in spring vs. summer

Diet, Host
Sherkov, S., 1976, Vet. Med. Nauki, v. 13 (9), 93-99
Eimeria tenella, chickens, thiamine and egg white in feed, effects on host pathomorphology and on mortality and oocyst production

Diet, Host
Stephenson, L. S.; Georgi, J. R.; and Cleveland, D. J., 1977, Cornell Vet., v. 67 (1), 92-102
Ascaris suum, pigs (exper.), worm burden in weanling pigs fed low and high protein diets after infection with known numbers of larvae isolated from rabbits, production of worm burdens of consistent size, potential model for human Ascaris studies

Diet, Host
Sykes, A. R.; and Coop, R. L., 1976, Proc. Nutrition Soc., v. 35 (1), 13A-14A [Abstract]
Trichostrongylus colubriformis, Ostertagia circumcincta, sheep (exper.), effects of extensive chronic parasitism on food intake and utilization by growing lambs, deposition of nitrogen and fat severely impaired and food intake reduced by 9%

Diet, Host
Sykes, A. R.; and Coop, R. L., 1976, J. Agric. Sc., v. 86 (3), 507-515
Trichostrongylus colubriformis larvae, lambs (exper.), food intake and utilization after parasitic damage to small intestine, body weight changes, reduced host mineral metabolism

Diet, Host
Sykes,, A. R.; and Coop, R. L., 1977, J. Agric. Sc., v. 88 (3), 671-677
Ostertagia circumcincta larvae, daily dosing of growing sheep, reduction of food intake and utilization resulting from abomasal damage; reduced weight gain

Diet, Host
Tizard, I. R.; Billett, J. B.; and Ramsden, R. O., 1976, J. Wildlife Dis., v. 12 (3), 322-325
Toxoplasma gondii, antibody prevalence in wild mammals, apparent correlation with host consumption of rodents, possible importance of carnivorism as a route of transmission vs. oocyst-derived infection: Ontario, Canada

Diet, Host
Vray, B., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (3), 255-256 [Letter]
Plasmodium berghei-infected mice (exper.), possible relationships between hepatosplenic and blood rates of para-aminobenzoic acid and parasite development, diet-deficiency study

Diet, Host
Wanchinga, D. M., 1977, Virginia J. Sc., v. 28 (2), 69 [Abstract]
Amblyomma maculatum, attachment and development on host albino rats deficient in vitamins (A, K, thiamine) and minerals (Ca, Na)

Diet, Host
Wilhelm, W. E.; and Pope, D. C., 1974, J. Protozool., v. 21 (3), 434-435 [Abstract]
Tritrichomonas muris, infections of laboratory colony of Mesocricetus auratus (caecum, small intestine, colon), hamsters fed high protein diet became trichomonad free, trichomonad-free hamsters showed higher mortality, weight loss, and fur thinning suggesting possible mutualistic relationship, successful transfaunation to laboratory and wild Mus musculus, reinfection of trichomonad-free Mesocricetus auratus, parasite morphology

Diet, Host
Wilson, R. A.; and Draskau, T., 1976, Parasitology, v. 72 (3), 245-257
Fasciola hepatica in Lymnaea truncatula, stimulation of daughter redia production by host starvation or by low or high temperature shocks, no evidence that presence of daughter rediae coincides with suppression of cercarial production

Diet, Parasite
Baker, R. A., 1977, Parasitology, v. 75 (3), 301-308
Unionicola intermedia, midgut caeca, contents, structure, function, relation to feeding activities of mite and tissue responses of its host (Anodonta anatina), parasite feeds on mucus and blood cells which are products of inflammatory response, parasite digestive enzymes are confined to intracellular vacuoles

Diet, Parasite
Brandal, P. O.; Egidius, E.; and Romslo, I., 1976, Norwegian J. Zool., v. 24 (4), 341-343
Lepeophtheirus salmonis from Salmo salar, qualitative demonstration of host blood in parasite digestive tract

Diet, Parasite
Guttekova, A.; and Zmoray, I., 1975, Biologia, Bratislava, s. B, Zool., v. 30 (8), 605-614
Haemonchus contortus, ultrastructure of intestine, relationship to diet and metabolism; possibly phylogenetically young parasite in adaptation to host

Diet, Parasite
Halton, D. W., 1976, Parasitology, v. 73 (2), xxi-xxii [Abstract]
Calicotyle kroyeri vs. Diclidophora merlangi, examination of 3 organ systems with respect to nutrition, diet, feeding mechanism (foregut, gut caeca, tegument)

Diet, Parasite
Hopkins, D. E.; Chamberlain, W. F.; and Gingrich, A. R., 1976, Ann. Entom. Soc. Am., v. 69 (3), 538-540
Bovicola limbatus, B. ovis, B. crassiceps, longevity, fecundity, population increases, in vitro testing on artificial diets, field-collected and in vitro-colonies compared

Diet, Parasite
Monteoliva Hernandez, M., 1973, Rev. Iber. Parasitol., v. 33 (4), 599-606
Ascaris, motility studies in vitro, motility longer with glucose than when fasting; longer at 25° C than at 37° C; younger worms more active than mature ones

Diet, Parasite
Moore, M. N.; and Halton, D. W., 1976, Exper. Parasitol., v. 40 (2), 212-224
Fasciola hepatica, enzyme histochemistry in juvenile vs. adult flukes and in infected mouse liver (cytopathological changes), effects of exper. starvation of flukes on levels of staining and distribution of hydrolytic enzymes

Diet, Parasite
Moorhouse, D. E., 1975, Ztschr. Parasitenk., v. 48 (1), 65-71
Argas persicus, larvae, feeding on chickens, histological studies, penetration by lysis, foreign body reaction, whole blood as diet throughout feeding, emigration of heterophils to surround mouthparts and mask them against foreign body reaction, example of adaptation tolerance; immunological response to salivary secretions not suppressed

Diet, Parasite
Srivastava, M.; and Gupta, S. P., 1976, Ztschr. Parasitenk., v. 48 (3-4), 271-273
Isoparorchis hypselobagri, trace element content (copper, zinc and iron), high iron content possibly related to feeding on blood

Digestion
Baker, R. A., 1977, Parasitology, v. 75 (3), 301-308
Unionicola intermedia, midgut caeca, contents, structure, function, relation to feeding activities of mite and tissue responses of its host (Anodonta anatina), parasite feeds on mucus and blood cells which are products of inflammatory response, parasite digestive enzymes are confined to intracellular vacuoles

Digestion
Bogitsh, B. J., 1977, Exper. Parasitol., v. 43 (1), 180-188
Schistosoma mansoni, schistosomules, colchicine and vinblastine treatment, inhibition of feeding, ultrastructural changes in esophageal gland, effects on microtubules and secretion in this area

Digestion
Bogitsh, B. J.; and Carter, O. S., 1977, J. Parasitol., v. 63 (4), 681-686
Schistosoma mansoni, esophageal secretory granules, ultrastructure, cytochemistry, effects of colchicine on cells, function undetermined but possibly involved with early stages of digestion of host red blood cells

Digestion
Bradbury, P. C.; and Goyal, V., 1976, Tissue and Cell, v. 8 (4), 573-582
Terebrospira chattoni, fine structure during ingestion of exoskeleton of Palaemonetes pugio, demonstration of extracellular acid phosphatase and acid phosphatase bound to cell membrane

Digestion
Bruce, R. G., 1976, Parasitology, v. 73 (2), xxiii [Abstract]
nutrition of nematodes

Digestion
Canale, A.; et al., 1972, Atti Soc. Ital. Sc. Vet., v. 26, 306-310
Fasciola hepatica, calves, light experimental infection alone or in combination with gastrointestinal nematodes, digestive function not impaired

Digestion
Canale, A.; et al., 1973, Ann. Fac. Med. Vet. Torino, v. 20, Suppl., 72-82
Fasciola hepatica, calves (exper.), no strong variations in ability to digest diet as compared to controls, not an explanation for observed growth deficiencies

Digestion
Canale, A.; et al., 1977, Folia Vet. Latina, v. 7 (1), 82-90
Ostertagia ostertagi, calves (exper.), digestive utilization of host diet, results indicate that the diminished digestibility is not sufficient to account for the reduced growth

Digestion
Chapman, C. R.; and Coles, G. C., 1977, Parasitology, v. 75 (2), xxi [Abstract]
Fasciola hepatica, hydrolytic enzymes possibly involved in digestion

Digestion
Chappell, L. H., 1976, Parasitology, v. 73 (2), xxii [Abstract]
Schistosoma, Fasciola, relative nutritional roles of gut and tegument

Digestion
Ernst, S. C., 1975, J. Parasitol., v. 61 (4), 633-647
Schistosoma mansoni, esophagus, cecum, tegument, digestive-absorptive functions, acid phosphatase activity, electron-dense tracers all ingested but none phagocytized

Digestion
Gabbay, S.; and Warburg, M. R., 1976, J. Insect Physiol., v. 22 (9), 1291-1301
Ornithodoros tholozani, appearance of neurosecretory cells as related to feeding, blood digestion, mating, and oogenesis

Digestion
Halton, D. W., 1976, Exper. Parasitol., v. 40 (1), 41-47
Diclidophora merlangi gut, sloughing of hematin cells occurs only rarely, any renewal of hematin cells takes place at a very low rate

Digestion
Halton, D. W.; and Stranock, S. D., 1976, Internat. J. Parasitol., v. 6 (3), 253-263
Calicotyle kroeyeri, caecal epithelium, fine structure and histochemistry, single cell type functions in uptake and intracellular digestion of host epidermis and associated mucus

Digestion
Hurwitz, S.; Shamir, N.; and Bar, A., 1973, Isotopes and Radiation Parasitol. III, 61-65
Ascaridia galli-infected chicks, absorption and digestion of protein and absorption of phosphate from intestine

Digestion
James, B. L., 1976, Parasitology, v. 73 (2), xxii-xxiii [Abstract]
nutrition of marine Digenea in primary molluscan host

Digestion
Langreth, S. G.; and Balber, A. E., 1975, J. Protozool., v. 22 (1), 40-53
Trypanosoma brucei, long slender and short stumpy bloodstream forms, culture forms, use of ferritin to study uptake and intracellular movement of protein, and of acid phosphatase to localize digestive activity cytochemically

Digestion
Lushbaugh, W. B.; et al., 1976, Proc. 34. Ann. Meet. Electron Microsc. Soc. America, 140-141
Entamoeba histolytica, endocytosis and digestion by trophozoites, electron microscopy

Digestion
Lushbaugh, W. B.; Kairalla, A. B.; and Pittman, F. E., 1976, J. Protozool., v. 23 (2), 12A [Abstract]
Entamoeba histolytica, phagocytosis, ingestive and digestive processes studied ultrastructurally

Digestion
Mead, R. W., 1976, Tr. Am. Micr. Soc., v. 95 (2), 183-188
Hymenolepis diminuta, distribution of amylase activity within infected and uninfected rat intestine using starch substrate film method, no difference in relative amylase activity, results indicated that differences in starch digestion between infected and uninfected rats were not due to changes in distribution of intralumenal amylase along the small intestine

Digestion
Moore, M. N.; and Halton, D. W., 1975, Ztschr. Parasitenk., v. 47 (1), 45-54
Fasciola hepatica, rediae, cercariae, histochemistry with particular emphasis on enzymes, localization in tegument and caecum suggests probable absorptive and digestive functions

Digestion
Parkins, J. J.; Holmes, P. H.; and Bremner, K. C., 1973, Research Vet. Sc., v. 14 (1), 21-28
Ostertagia circumcincta, effects of different infection levels on feed intake, apparent digestibility, and nitrogen balance in Blackface sheep when fed rations of different nitrogen content

Digestion
Perkatova, V. N., 1975, Dokl. Vsesoiuz. Akad. Sel'skokhoz. Nauk (10), 39-40
Gastrothylax crumenifer, morphology and physiology of tegument, intestine and saccus alimentarius, localization of nonspecific esterase; adaptations to existence among dense papillae of rumen and glandular structure thereof

Digestive system. [See also Biliary tract; Esophagus; Intestine; Mouth; Pancreas; Stomach]

Digestive system
Baird, C. R.; and Akre, R. D., 1977, J. Entom. Soc. Brit. Columbia, v. 74, 27-31
Cuterebra tenebrosa, morphology of alimentary and reproductive tracts

Digestive system
Bigorie, B.; et al., 1976, Nouv. Presse Med., v. 5 (13), 853-855
Strongyloides stercoralis in woman with resulting digestive tract complications and malabsorption syndrome, thiabendazole, clinical case report: France, immigrant from Guadeloupe

Digestive system
Bogitsh, B. J., 1975, Tr. Am. Micr. Soc., v. 94 (4), 524-528
digenetic trematodes, digestive tract, gastrodermis, cytochemistry, surface amplifications, physiology, autophagy, review

Digestive system
Bogitsh, B. J.; and Carter, O. S., 1977, Tr. Am. Micr. Soc., v. 96 (2), 219-227
Schistosoma mansoni schistosomules, in vitro development of digestive tract, ultrastructure of esophagus, esophageal gland, and cecum; ingestion of red blood cells stimulates 'dense granule' synthesis and increased growth of cecal region

Digestive system
Borojevic, D.; and Movsesijan, M., 1973, Acta Parasitol. Iugoslavica, v. 4 (1), 51-56
Fasciola hepatica, morphogenesis in rabbits, 42 days post infection, genital organs not sufficiently developed to produce secretions for antigenic stimulation of host, but secretory caecal epithelium of digestive organs develops earlier, provides antigenic material during migratory and biliary system periods

Digestive system
Ceneviva, R.; Modena, J. L. P.; and Castelfranchi, P. L., 1971, Medicina, Sao Paulo, v. 4 (2), 37-43
Chagas disease as a predisposing factor in the development of gastroduodenal ulcers in human infections

Digestive system
Coulaud, J. P.; Pasticier, A.; and Saint-Louvent, P., 1976, Nouv. Presse Med., v. 5 (44), 3013-3014 [Letter]
human strongyloidiasis with accompanying acute epigastric distress, clinical aspects, thiabendazole

Digestive system
Crompton, D. W. T., 1976, Proc. 11. Poultry Sc. Symp., 193-245
gastrointestinal parasites, Gallus gallus, review; Eimeria spp., extensive study of pathologic changes in host alimentary tract

Digestive system
Crompton, D. W. T.; and Nesheim, M. C., 1976, Advances Parasitol., v. 14, 95-194
host-parasite relationships in alimentary tract of domestic birds, extensive review: nutrition of domestic birds; alimentary tract as habitat for parasites; alimentary tract of germ-free birds; parasite distribution within alimentary tract; relationships between parasites and host digestive physiology and nutrition

Digestive system
Hairstone, M. A., 1972, Pahlavi Med. J., v. 3 (2), 303-305
Schistosoma mansoni, ultrastructural study of digestive system shows the digestive tract as major pathway for absorption of materials into parasite body

Digestive system
Halton, D. W.; and Stranock, S. D., 1976, Internat. J. Parasitol., v. 6 (6), 517-526
Calicotyle kroeyeri, foregut and associated glands, ultrastructure

Digestive system
Iannucci, J. G., 1974, Med. Times, New York, v. 102 (10), 43-49
gastrointestinal hemorrhage as presenting symptom of human hookworm disease, clinical management, need for diagnostic awareness in non-endemic areas

Digestive system
Koeberle, F.; et al., 1972, Medicina, Sao Paulo, v. 5 (1), 5-45
extensive review of pathologic findings associated with human Trypanosoma cruzi infections with emphasis on cardiovascular, respiratory and digestive systems, importance of destruction of nerve cells in acute phase of infections making it a problem of prevention rather than treatment of disease: Brazil

Digestive system
Kvasz, L., 1971, Ceskoslov. Pediat., v. 26 (4), 183-184
Lamblia intestinalis, gastrointestinal X-ray examination of infected children revealed ulceration of duodenal mucosa and functional disorders and irritation of upper digestive tract, possible relationships to lambliasis, metronidazole therapy of parasites resulted in cure of ulceration

Digestive system
Leclercq, M., 1974, Medecine and Chir. Digest., v. 3 (2), 147-152
extensive review of myiasis of human gastrointestinal system

Digestive system
Walker, A. C.; and Bellmaine, S. P., 1975, Med. J. Australia, v. 1 (24), 751-752
severe digestive tract hemorrhage in Aboriginal infants apparently associated with massive infestation of Ancylostoma duodenale with cessation of bleeding after administration of anthelmintic: Northern Territory, Australia

Dimorphism. [See also Morphology; Polymorphism]

Dimorphism
Araujo, P., 1975, Ann. Parasitol., v. 50 (2), 167-172
Ascaris suum, third-stage larvae, sexual dimorphism in genital primordium and in internal structure of tail (rectal glands)

Dimorphism
Baker, J. R.; Liston, A. J.; and Selden, L. F., 1976, J. Gen. Microbiol., v. 97 (1), 113-115
Trypanosoma (Schizotrypanum) dionisii, trypomastigote dimorphism and satellite DNA, results exclude possibility of mixed populations of two species or subspecies

Dimorphism
Fowler, J. L.; and Reeves, E. L., 1974, J. Protozool., v. 21 (4), 538-542
microsporidan isolate previously considered to represent mixed infection of Nosema necatrix and Thelohania diazoma determined to be one species with spore dimorphism, electrophoretic protein profile of two spore types, temperature effects on ratio of mono- to octospores, recommended that name Nosema necatrix be retained for this isolate

Dimorphism
Liston, A. J.; and Baker, J. R., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 274-275 [Demonstration]
Trypanosoma dionisii clone, trypomastigote dimorphism and satellite DNA

Disease models, Animal. See Technique, Experimental hosts.

Disease transmission. [See also Epidemiology; Epizootiology; Reservoir hosts; Sanitation and hygiene; Vectors]

Disease transmission
Brooks, W. M., 1973, Misc. Publication Entom. Soc. Am., v. 9 (2), 105-111
Nosema campoletidis, N. heliothidis, N. cardiochilis, insect host-insect parasite-protozoan pathogen interrelationships, transovarian transmission of protozoans by insect parasites and hyperparasites of pest insects

Disease transmission
Clarkson, M. J.; and McCabe, W. J., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 12 [Demonstration]
Trypanosoma spp., relative susceptibility of mice to infection by buccal, gastric, or intraperitoneal routes, possible significance of oral transmission under natural conditions

Disease transmission
Gwadz, R. W.; and Chernin, E., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (6), 808-813
Brugia pahangi, exper. oral transmission to Meriones unguiculatus, suggests possibility that cryptic infection by mouth may represent component of epidemiology of filariasis and tropical pulmonary eosinophilia

Disease transmission
Hausfater, G.; and Watson, D. F., 1976, Nature, London (5570), v. 262, 688-689
emission of parasite ova (primarily Trichuris and Trichostrongylus) by Papio cynocephalus in relation to host social and reproductive condition, high-ranking adult males had higher egg emission than more subordinate individuals, sexually cycling females had higher emissions than anoestrous females

Disease transmission
Hawking, F., 1975, Advances Parasitol., v. 13, 123-182
circadian and other rhythms of parasites, extensive review: rhythms depending on synchronous cell division, on discharge of infective forms, and on migrations of the same individuals; rhythmic migrations of intestinal worms; rhythms outside principal host; interrelation with rhythms of host environment; mathematical treatment; annual and other rhythms

Disease transmission
Maddox, J. V., 1973, Misc. Publication Entom. Soc. Am., v. 9 (2), 99-104
persistence of Microsporida, resistance of spores to environmental conditions, transmission and dispersal, host range and infectivity, effect of temperature on development

Disease transmission
Ortega, M.; and Tay, J., 1972, Bol. Chileno Parasitol., v. 27 (1-2), 6-11
Trypanosoma cruzi, laboratory trials comparing oral, ocular, conjunctival, nasal and skin scarification routes to infect albino mice

Disease transmission
Raisañen, S.; and Koivukangas, J., 1976, Norwegian J. Zool., v. 24 (4), 458-459 [Abstract]
Toxoplasma gondii, infectivity of trophozoites in body secretion examined by penetration through intact mucous membranes of mice, greater contamination hazard than previously known, easiest route of infection is intranasal

Disease transmission
Soltys, M. A.; Thompson, S. M. R.; and Woo, P. T. K., 1973, Ann. Trop. Med. and Parasitol., v. 67 (4), 399-402
Trypanosoma brucei, rats, guinea pigs, exper. transmission through skin and intact mucous membranes of conjunctiva, mouth, rectum, vagina; T. congolense, exper. transmission through same routes all failed

Disease transmission
Sullivan, J. J.; and Chernin, E., 1976, Internat. J. Parasitol., v. 6 (1), 75-78
Brugia pahangi and Dipetalonema viteae compared, differences in oral vs. subcutaneous infection of anaesthetized vs. unanaesthetized adult vs. neonatal Meriones unguiculatus

Disease transmission, Acarina. See Vectors, Acarina.

Disease transmission, Air
Jaskiewicz, W.; and Soroczan, W., 1971, Pediat. Polska, v. 46 (1), 57-61
Enterobius vermicularis infection in children (80%) and personnel (50%) of institution for children with impaired vision, samples of dust and air and bed linens also showed contamination, clinical report: Lublin, Poland

Disease transmission, Air
Nellis, D. W., 1977, J. Parasitol., v. 63 (1), 178-179
Cochliomyia hominivorax, transmission by trade winds with typical and atypical directions, hypothesized route of wind-assisted screwworm range extension: Puerto Rico; Vieques; Virgin Islands

Disease transmission, Animal to animal
Akbarzadeh, M.; Hinrichsen, J. K.; and Sommer, H., 1976, Tierarztl. Umschau, v. 31 (8), 363-366
endoparasite incidence in lambs raised under 3 different management systems (normal; early weaning; without dams), highest incidence in those under normal system

Disease transmission, Animal to animal
Ayala, S. C.; and Wells, E. A., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 76 [Letter]
Trypanosoma evansi, possible role of vampire bats in epidemiology of parasite infection in cattle and horses; disappearance of previously identified T. evansi strain from bat colony: western Colombia

Disease transmission, Animal to animal
Banaja, A. A.; James, J. L.; and Riley, J., 1976, Parasitology, v. 72 (1), 81-91
Reighardia sternae implanted into gulls, low egg production, short patent period, low fecundity offset by auto-reinfection and possibly by direct transmission from bird to bird

Disease transmission, Animal to animal
Barker, R. J., 1973, J. Protozool., v. 20 (4), 524
Encephalitozoon cuniculi, no evidence of transmission from mother to young transplacentally, perinatally, or by post-natal contact

Disease transmission, Animal to animal
Barrowman, P. R., 1976, Onderstepoort J. Vet. Research, v. 43 (2), 55-65
Trypanosoma equiperdum in naturally infected horses, transmission studies, clinical symptoms and lesions, localization of parasite, host immune response, methods for parasite detection, varying results of chemotherapy with MSbE; attempts to infect rats, rabbits, and a dog were unsuccessful: South Africa

Disease transmission, Animal to animal
Bergstrom, R. C., 1975, Proc. Helminth. Soc. Washington, v. 42 (1), 61-63
Marshallagia marshalli, other trichostrongylids, incidence and intensity in Ovis aries under 3 types of management (farm flocks, fenced range, and seasonally herded range) and in wild Antilocapra americana; evidence for transmission of M. marshalli from antelope to sheep where range is shared: Wyoming

Disease transmission, Animal to animal
Bledsoe, B., 1976, J. Protozool., v. 23 (3), 365-367
Isospora vulpina, exper. transmission from Vulpes vulpes to Canis familiaris

Disease transmission, Animal to animal
Borroni, I.; and Grimaldi, E., 1974, Riv. Parassitol., v. 35 (4), 261-276
Diphyllobothrium latum, ecology of plerocercoid infection in fish, incidence and intensity, interplay of various factors (host species, host size (age), mechanism of infection (eating copepods vs. eating other fish), parasite size, muscular vs. visceral localization, site on lake in relation to human concentration): Lago Maggiore

Disease transmission, Animal to animal
Bozhkov, D., 1974, Izvest. Tsentral. Khelmint. Lab., v. 17, 25-31
8 helminth species in Rana ridibunda fed to Natrix natrix or N. tesselata, found that Diplodiscus subclavatus, Opisthioglyphe ranae, Cephalogonimus retusus, and Cosmocerca ornata can pass alive from body of ingested frog to intestine of Natrix natrix, and D. subclavatus to N. tesselata

Disease transmission, Animal to animal
Bura, M. W. T.; and Willett, W. C., 1977, East African Med. J., v. 54 (4), 185-193
Trichinella spiralis, extensive epidemiologic survey of trichinosis outbreak (11 persons of whom 2 died of infection) in Iraqw native tribe, source of infection probably a warthog killed and shared by 4 families, potential increasing public health problem if domestic pigs come in contact with carcasses of infected wild pigs: Tanzania

Disease transmission, Animal to animal
Carvalho, A. L. M.; and Deane, M. P., 1974, J. Protozool., v. 21 (1), 5-8
Trypanosomatidae isolated from Zelus leucogrammus, only Blastocrithidia thought to be a parasite proper of this host spread by cannibalism and ingestion of cysts, other trypanosomatids acquired by feeding on insect prey: Brazil

Disease transmission, Animal to animal
Collins, G. H.; Charleston, W. A. G.; and Moriarty, K. M., 1976, N. Zealand Vet. J., v. 24 (6), 123-124 [Letter]
2 morphologically distinct types of sarcocysts in sheep skeletal muscles may represent separate species, successful transmission to cats

Disease transmission, Animal to animal
Cooper, C. L.; and Crites, J. L., 1976, J. Parasitol., v. 62 (1), 105-110
similarity index of helminth faunas of 7 passerine bird species, index of association of 10 species of helminths identified as having foci of infection, competition for invertebrate food resources and aggregation into mixed feeding flocks maximizes transmission: South Bass Island, Ottawa County, Ohio

Disease transmission, Animal to animal
Courtin, S.; Ferriere, G.; and Cerda, J., 1975, Bol. Chileno Parasitol., v. 30 (3-4), 65-67
Fasciola hepatica, Oryctolagus cuniculus as possible reservoir host for livestock infections, survey for infection prevalence and localization in host liver: Malleco Province, Chile

Disease transmission, Animal to animal
Daddow, K. N.; and Dunlop, L. B., 1976, Queensland J. Agric. and Animal Sc., v. 33 (2), 233-236
Eperythrozoon ovis, sheep, detection by complement fixation test and stained thin blood smears, ewes appeared to be source of infection for lambs, possible role of sandflies and mosquitoes in mode of transmission

Disease transmission, Animal to animal
Donaldson, M.; et al., 1975, Am. J. Vet. Research, v. 36 (6), 807-817
reptilian amebiasis, fatal epizootic, possible cause of many previous snake deaths, pathologic changes, probable mode of introduction and spread, treatment (metronidazole successful) and prophylaxis, amebae identified as or presumed to be Entamoeba invadens: Steinhart Aquarium, California Academy of Sciences, Golden Gate Park, San Francisco

Disease transmission, Animal to animal
Dubey, J. P.; and Streitel, R. H., 1976, J. Parasitol., v. 62 (4), 548-551
Hammondia hammondi, life cycle and transmission: tachyzoites are noninfectious to cats, infectivity being associated with cysts formed by the 10th day of mouse infection; more cysts found in mouse muscle than in brain, less frequent occurrence in spleen, liver, lungs, lymph nodes; absence of congenital transmission in mice; oocysts noninfectious to chickens

Disease transmission, Animal to animal
Dukic, Z.; et al., 1976, Vet. Glasnik, v. 30 (7), 629-635
Trichinella spiralis, distribution, routes of infection in wild and domestic swine and man, rats and foxes as possible vectors: Serbia

Disease transmission, Animal to animal
Dyk, V.; and Chroust, K., 1974, Acta Vet. Brno, v. 43 (2), 123-131
helminths and coccidians of Ovis ammon musimon and Capreolus capreolus, intensity variation with age of host, lack of evidence for parasite exchange between mouflons and roe deer: School Forest Enterprise, University of Agriculture Brno, Krtiny

Disease transmission, Animal to animal
Farhang-Azad, A., 1977, J. Parasitol., v. 63 (4), 701-706
Capillaria hepatica, egg-releasing mechanisms and transmission ecology among Norway rat populations, cannibalism serves as primary egg-releasing mechanism with secondary role played by predators and normal death and decomposition, minor role of carrion insects and soil invertebrates: Baltimore Zoo

Disease transmission, Animal to animal
Frenkel, J. K.; Ruiz, A.; and Chinchilla, M., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 439-443
persistence of viable Toxoplasma gondii oocysts in soil up to 18 months in Kansas and 1 year in Costa Rica, experimentally buried infected cat feces; Musca fly, Armadillium sp., earthworms acted as transport hosts with earthworm possibly also vector as food for birds; seasonal distribution, effects of weather on infectivity

Disease transmission, Animal to animal
Gallie, G. J.; and Nunns, V. J., 1976, J. Helminth., v. 50 (2), 79-89
Dictyocaulus filaria, different seasons, development and survival of free-living larvae on pasture, transmission of infection between lambs: North-East England

Disease transmission, Animal to animal
Gemmell, M. A., 1976, Research Vet. Sc., v. 21 (2), 220-222
Taenia hydatigena, estimations of build-up and dispersion patterns of eggs on a lamb pasture after introduction of infected dogs, implications for animal management practices

Disease transmission, Animal to animal
Gemmell, M. A.; and Macnamara, F. N., 1976, Research Vet. Sc., v. 21 (2), 215-219
Taenia hydatigena, sheep allowed to graze pasture before and after removal of infected dogs, factors regulating worm populations (infection pressure, index of egg clustering, survival rate of cysts), model for epidemiological studies

Disease transmission, Animal to animal
Georgi, J. R., 1976, Science (4266), v. 194, 735
Filaroides hirthi, dogs (exper.), transmission through ingestion of first-stage larvae, theoretical possibility of autoinfection

Disease transmission, Animal to animal
Ghazal, A. M.; and Avery, R. A., 1976, Parasitology, v. 73 (1), 39-45
Hymenolepis nana, white mice, transmission rate, exposure in small cages to parasite eggs or to feces from infected mice, increased likelihood of infection with prior host starvation probably due to increased coprophagy

Disease transmission, Animal to animal
Grootenhuis, J. G.; et al., 1975, J. Wildlife Dis., v. 11 (1), 122-127
impala Theileria, morphology, transmission experiments, attempted transmission to splenectomized steer by inoculation and tick vector Rhipicephalus appendiculatus; no cross-reactivity with other theilerial parasites, indirect fluorescent antibody test

Disease transmission, Animal to animal
Hayes, H. M.; and Priester, W. A., 1973, J. Small Animal Practice, v. 14 (12), 797-804
Haemobartonella felis and/or Eperythrozoon felis, feline infectious anaemia, relative risk according to age, sex and breed of cats, prior disease, seasonal occurrence, mortality, pattern of risk suggests horizontal transmission probably by direct contact

Disease transmission, Animal to animal
Hysek, J.; and Zizka, Z., 1976, Nature, London (5552), v. 260, 608-609
experimental transmission of Trypanosoma rotatorium from frogs to white mice by inoculation of blood, development of infection and morphology in mice

Disease transmission, Animal to animal
Ito, A., 1977, J. Parasitol., v. 63 (1), 167-168
Hymenolepis nana, simple method for collecting infective cysticercoids from mouse intestine, results suggest mouse to mouse indirect cycle

Disease transmission, Animal to animal
Ito, S.; and Taniguchi, R., 1976, Nippon Zyuisi-Kai Zassi (J. Japan. Vet. Med. Ass.), v. 29 (11), 616-619
Dictyocaulus viviparus, calf, possible contact infection in calves living in same pen

Disease transmission, Animal to animal
Ito, S.; and Tsunoda, K., 1975, Japan Agric. Research Quart., v. 9 (4), 221-224
piglets inoculated with 2 strains of Toxoplasma oocysts: natural transfer to uninfected piglets in same pen, exper. transfer to mice from infected visceral organs of piglets; piglets nat. and exper. infected with toxoplasmosis by feeding on leaf-moulds contaminated with cat feces, treatment with 2-sulfamoyl-4,4'-diaminodiphenyl-sulfone (SDDS)

Disease transmission, Animal to animal
Jacobson, H. A.; et al., 1976, J. Wildlife Dis., v. 12 (3), 357-360
Baylisascaris procyonis, outbreak of cerebrospinal nematodiasis in Sylvilagus floridanus and Marmota monax following establishment of infected Procyon lotor population; laboratory transmission to Sylvilagus floridanus: Center Woods, Virginia

Disease transmission, Animal to animal
Janitschke, K., 1976, Ztschr. Parasitenk., v. 50 (2), 208-209
Toxoplasma, transmission of oocysts from cats to rabbits

Disease transmission, Animal to animal
Kelly, J. D.; et al., 1976, N. Zealand Vet. J., v. 24 (5), 93-94 [Letter]
larval Ancylostoma caninum, arrested development in gastro-intestinal tract of dogs, complication of treatment, diagnosis and control, significance in transmission

Disease transmission, Animal to animal
Landau, I.; et al., 1975, Compt. Rend. Acad. Sc., Paris, v. 281, s. D, Sc. Nat. (22), 1721-1723
Eimeria sp., crustacean infected with oocysts from fish feces, freed sporozoites remain as latent stage in intestinal wall; possible alimentary pyramid concentrating infective forms in aquatic environment
Gymnothorax moringa "murene" (foie, intestin): Petit Bourg, Guadeloupe
Mysidacea (intestinal wall) (exper.)

Disease transmission, Animal to animal
Loehr, K. F.; Ross, J. P. J.; and Meyer, H., 1974, Tropenmed. u. Parasitol., v. 25 (2), 217-226
sera of 1505 game animals of 19 different species screened for antibodies to Anaplasma marginale, Babesia bigemina, and Theileria parva, capillary tube agglutination and indirect fluorescent antibody tests, antibodies more prevalent in sera of antelopes grazing in vicinity of non-dipped cattle than in areas where cattle are either dipped regularly or are not present at all, need for studies on transmission of these organisms from game to cattle and vice versa: Kenya; Tanzania; Uganda; Zambia

Disease transmission, Animal to animal
Loveless, R. M.; and Andersen, F. L., 1975, J. Parasitol., v. 61 (3), 546-547
coyotes as possible important hosts in sylvatic echinococcosis in Utah regions

Disease transmission, Animal to animal
McCully, R. M.; et al., 1975, Onderstepoort J. Vet. Research, v. 42 (4), 117-133
Hepatozoon sp. in wild carnivores and H. canis in dogs compared, location in host, developmental stages, lesions, pathogenesis; attempt to transmit Hepatozoon from jackal to dogs by means of Rhipicephalus sanguineus was inconclusive: South Africa

Disease transmission, Animal to animal
Miller, W. V.; and Price, F. C., 1977, J. Parasitol., v. 63 (3), 417
Ornithonyssus sylviarum found on Mus musculus trapped in a poultry house, possible importance of mice as temporary vectors of this mite in dissemination between poultry houses

Disease transmission, Animal to animal
Nutting, W. B., 1976, Cornell Vet., v. 66 (2), 214-231
Demodex spp., biology, medical and veterinary importance, taxonomy, host-parasite interactions, problems needing further study, review, key to demodicids of medico-veterinary concern

Disease transmission, Animal to animal
Otsuka, H.; and Yoshimura, S., 1976, Bull. Fac. Agric. Univ. Miyazaki, v. 23 (2), 511-515
Babesia gibsoni, dog, transmission experiment using Haemaphysalis flava showed that this tick did not participate in either transovarial or stage-to-stage transmission

Disease transmission, Animal to animal
Phuc, D. V.; and Varga, I., 1975, Acta Vet., Budapest, v. 25 (2-3), 231-239
Amidostomum anseris, comparison of worm development and pathology in experimentally infected chickens and ducklings with those of goslings, stored larvae from ducklings proved infective to goslings and ducklings

Disease transmission, Animal to animal
Polley, L.; and Creighton, S. R., 1977, Vet. Rec., v. 100 (7), 136-137
Filaroides osleri, dogs, experimental direct transmission

Disease transmission, Animal to animal
Raynaud, J.-P.; Sennelier, J.; and Irisarri, E., 1975, Folia Vet. Latina, v. 5 (3), 412-429
gastrointestinal helminths, swine, post natal infection of piglets in contact with infected mothers, comparison of various methods of husbandry and hygiene, studies during pregnancy and lactation, routine daily hygiene recommended

Disease transmission, Animal to animal
Reeves, J. D. III; and Swift, B. L., 1977, Vet. Med. and Small Animal Clin., v. 72 (5), 911-914
Anaplasma marginale, transmission to cow via vaccination needle first used to inoculate a carrier cow

Disease transmission, Animal to animal
Renshaw, H. W.; et al., 1977, J. Am. Vet. Med. Ass., v. 170 (3), 334-339
Anaplasma marginale, serologic survey of cattle; inoculation of Odocoileus hemionus hemionus blood into splenectomized calves and subinoculation into non-splenectomized cow, development of parasitemia: Idaho-Utah state boundary, near Stone, Idaho

Disease transmission, Animal to animal
Romano, M. N.; et al., 1974, J. Wildlife Dis., v. 10 (3), 225-227
Echinococcus granulosus, prevalence of hydatid cysts in Odocoileus hemionus columbianus (lungs), probable transmission between deer and coyotes: California

Disease transmission, Animal to animal
Santiago, M. A. M.; da Costa, U. C.; and Benevenga, S. F., 1975, Pesquisa Agropec. Brasil., s. Vet., v. 10 (8), 51-56
incidence of helminths, sheep and cattle, maintained on same pasture, possibility of cross infection of species of Cooperia and Trichostrongylus axei: Rio Grande do Sul, Brazil

Disease transmission, Animal to animal
Schantz, P. M., 1977, Am. J. Epidemiol., v. 106 (5), 370-379
Echinococcus granulosus, extensive epidemiologic survey of increased incidence of echinococcosis among American Indians, source thought to be sheep-dog cycle with infections acquired by dogs eating home-butchered sheep offal: Arizona and New Mexico

Disease transmission, Animal to animal
Schantz, P. M.; et al., 1975, Tropenmed. u. Parasitol., v. 26 (3), 334-344
Echinococcus granulosus, morphology of strobilae from domestic animals compared with those of Echinococcus spp. collected from sylvatic animals, because of few variations in taxonomy concluded that all represent the single species of E. granulosus; foxes apparently become infected after scavenging dead sheep

Disease transmission, Animal to animal
Schantz, P. M.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 121-126
Echinococcus granulosus, extensive epidemiologic survey of American Indians living in recent high echinococcosis endemic area, indications that infection is enzootic with sheep-dog cycle and with transmission furthered by local practice of home butchering and feeding of infected meat to pet dogs: Arizona; New Mexico

Disease transmission, Animal to animal
Schreuder, B.E.C.; Uilenberg, G.; and Tondeur, W., 1977, Tropenmed. u. Parasitol., v. 28 (3), 367-371
Theileriidae, reinfection and retransmission experiments in cattle and African buffalo

Disease transmission, Animal to animal
Seegar, W. S.; et al., 1976, Science (4266), v. 194, 739-740
Sarconema eurycerca in Cygnus columbianus columbianus (blood), transmission to C. olor using larvae obtained from infected lice (Trinoton anserinum), results show mallophagan as natural cyclodevelopmental vector

Disease transmission, Animal to animal
Srivastava, P. S.; and Sharma, N. N., 1975, Indian J. Animal Research, v. 9 (1), 8-10
Theileria annulata premune calves, oral administration of prednisolone, immunosuppressive effect, clinical relapses; need for caution in use of corticosteroids in enzootic areas; relapse induction useful for detection of carriers

Disease transmission, Animal to animal
Valenzuela, G.; et al., 1976, Bol. Chileno Parasitol., v. 31 (3-4), 87
Ascaris suum discovered at necropsy of sheep, fecal examination positive for Ascaris sp. eggs, confirmation of possibility of cross infection of gastrointestinal nematodes between sheep and swine: Pelchuquin, Provincia de Valdivia, Chile

Disease transmission, Animal to animal
Varga, I., 1976, Acta Vet., Budapest, v. 26 (1), 105-112
Eimeria stiedai in Oryctolagus cuniculus (exper.), successful transmission to Lepus europaeus, pathology, reisolated oocysts from L. europaeus proved infective to both L. europaeus and O. cuniculus

Disease transmission, Animal to animal
Walzer, P. D.; et al., 1977, Science (4229), v. 197, 177-179
Pneumocystis carinii in congenitally athymic (nude) mice as a new experimental model, experimental infection with both human- and rat-derived parasites produced both by intrapulmonary injection of lung homogenate containing parasites and by environmental transmission

Disease transmission, Animal to animal
Young, M. D.; Baerg, D. C.; and Rossan, R. N., 1976, Lab. Animal Sc., v. 26 (6, pt. 2), 1131-1137
Plasmodium falciparum, P. vivax, induced malarias in Aotus monkeys, transmission to other New World monkeys and man, use as biological model, literature review

Disease transmission, Animal to man
Adam, S. E. I.; and Magzoub, M., 1977, Brit. Vet. J., v. 133 (2), 201-210
Schistosoma mansoni, goats (exper.), clinical, pathological, parasitological and biochemical changes; goats possibly spreading disease to humans in rural areas: Sudan

Disease transmission, Animal to man
Andrews, J. R. H., 1976, N. Zealand J. Zool., v. 3 (1), 59-67
list of 42 species of parasites of man; animals, particularly domestic animals, major source of infection; parasites introduced by population movement

Disease transmission, Animal to man
Arambulo, P. V. III, 1974, Internat. J. Zoonoses, v. 1 (2), 58-74
natural nidality of endoparasitic zoonoses in the Philippines, preventive measures, review

Disease transmission, Animal to man
Ashford, R. W.; et al., 1977, Ann. Trop. Med. and Parasitol., v. 71 (3), 265-271
cutaneous leishmaniasis, rural zoonotic infection with probable transmission by Phlebotomus papatasi between rodent spp., ecological and prevalence survey: Libyan Arab Republic

Disease transmission, Animal to man
Austad, R., 1968, Tidsskr. Norske Laegefor., v. 88 (1), 28-30
Cheyletiella parasitivorax, cause of itching skin eruption in persons in close contact with infested animals, case report, clinical aspects, treatment with derris: Norway

Disease transmission, Animal to man
Ayalew, L.; and Vaillancourt, M., 1976, Canad. Vet. J., v. 17 (7), 184-191
Cheyletiella yasguri, dogs, clinical findings, history, skin lesions in humans having direct contact with infected dogs: commercial kennel near Montreal

Disease transmission, Animal to man
Beesley, W. N., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 349-368
review of arthropods which may affect man as zoonoses

Disease transmission, Animal to man
Beresford-Jones, W. P., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 383-390
Ctenocephalides felis felis, C. canis, Cheyletiella spp., incidence on dogs and cats, human skin sensitivity to bites: England

Disease transmission, Animal to man
Bessonov, A. S., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 179-186
perspectives on eradication of several helminthozoonotic diseases in the USSR

Disease transmission, Animal to man
Beverley, J. K. A., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 1-25
Toxoplasma gondii, review: the parasite; clinical manifestations in man; comparative pathology; epidemiology

Disease transmission, Animal to man
Bray, R. S., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 65-77
zoonoses in leishmaniasis, review

Disease transmission, Animal to man
Burridge, M. J.; and Schwabe, C. W., 1977, Am. J. Trop. Med. and Hyg., v. 26 (2), 258-265
Echinococcus granulosus, dynamics of epidemiologic survey of Maori people, cultural and behavioral factors together with poor dog control result in higher incidence in Maoris than in non-Maoris: New Zealand

Disease transmission, Animal to man
de Carneri, I.; Sacchi, S.; and Pazzaglia, A., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (6), 887-888 [Letter]
subcutaneous dirofilariasis in man, more widespread than previously believed, definitely zoonotic

Disease transmission, Animal to man
Charlesworth, E. N.; and Clegern, R. W., 1977, Arch. Dermat., Chicago, v. 113 (7), 937-938
Ornithonyssus bacoti causing pruritic dermatitis in woman (breasts, shoulders, arms), rat nests discovered in attic of woman's dwelling, clinical case report: San Antonio, Texas

Disease transmission, Animal to man
Christie, R. W., 1977, N. England J. Med., v. 297 (13), 706-707
Dirofilaria tenuis infection in woman presenting as periorbital swelling and nodule over right eye, prevalence of mosquitoes and raccoons in area suggests raccoon-to-human transmission via mosquito vector: Holland, Vermont

Disease transmission, Animal to man
Cordero del Campillo, M., 1974, Internat. J. Zoonoses, v. 1 (2), 43-57
parasitic zoonoses in Spain, review

Disease transmission, Animal to man
Cypess, R. H.; and Glickman, L. T., 1976, Mod. Vet. Pract., v. 57 (6), 462-464
zoonosis of visceral larva migrans, dogs to humans, review

Disease transmission, Animal to man
Davies, P.; et al., 1973, N. York State J. Med., v. 73 (15), 1999-2001
probable Dirofilaria tenuis infection in woman with presenting symptom of tender, painful swelling over right temple, apparent cure after surgical biopsy and follow-up diethylcarbamazine, history of extensive bites from mosquitoes and association with dog that had recently been in southern states: Albany, New York

Disease transmission, Animal to man
Deutsch, J., 1974, Paediat. u. Paedol., v. 9 (2), 168-172
toxoplasmosis in young child with concurrent cat scratch infection, case report, cat probable source of both infections: Austria

Disease transmission, Animal to man
Dipeolu, O. O.; and Olufarati, B., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 164-165 [Letter]
Cordylobia anthropophaga larvae causing myiasis in man's shoulder joint, clinical case report, dogs with larval infestations as possible infection reservoir in that they spread flies to human habitations: Ibadan, Nigeria

Disease transmission, Animal to man
Dissanaike, A. S.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, part 1), 1143-1147
filaria in vitreous of man's eye, worm not recovered but apparently died after diethylcarbamazine therapy, probable source of infection was pet dogs, 3 of which were infected with Dirofilaria immitis: Peninsular Malaysia

Disease transmission, Animal to man
Dominguez O., J.; et al., 1977, Veterinaria, Mexico, v. 8 (2), 37-41
Sarcoptes scabiei canis, experimental transmission to dog from human having Turner's syndrome and scabies, possibility of human cases of canine scabies under conditions of hormone imbalance or immunological unresponsiveness

Disease transmission, Animal to man
Dorrestein, G. M.; and van Bronswijk, J. E. M. H., 1977, Tijdschr. Diergeneesk., v. 102 (12), 748-753
Trixacarus caviae, guinea-pigs, clinical and histological features, morphological differentiation from Sarcoptes scabiei and Notoedres muris, transmission to humans

Disease transmission, Animal to man
Dubey, J. P., 1976, Nature, London (5565), v. 262, 213-214
Toxoplasma gondii, reshedding of oocysts by chronically infected cats in absence of exogenous reinfection, effect of superinfection with Isospora rivolta or I. felis, public health implications

Disease transmission, Animal to man
Ducroiset, B., 1975, Medecine Gen., v. 1 (3), 14-15, 18-21
Fasciola hepatica, Dicrocoelium dendriticum, echinococcosis, diagnostic manifestations of common zoonotic hepatic infections, review

Disease transmission, Animal to man
Duggan, J. M.; and Woolard, T. J., 1969, Med. J. Australia, v. 2 (7), 331-335
series of 16 persons with Toxoplasma gondii infection, possible etiological factors of domestic pets and nearby polluted water, suggested improved hygiene as public health factor: Newcastle, New South Wales, Australia

Disease transmission, Animal to man
Dukic, Z.; et al., 1976, Vet. Glasnik, v. 30 (7), 629-635
Trichinella spiralis, distribution, routes of infection in wild and domestic swine and man, rats and foxes as possible vectors: Serbia

Disease transmission, Animal to man
Emmerling, P., 1973, Munchen. Med. Wchnschr., v. 115 (5), 137-140
Toxoplasma gondii, role of cat in epidemiology of human infections

Disease transmission, Animal to man
Euzeby, J. A., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 151-178
zoonotic cestodes, review: life cycles; pathology; epidemiology; control and prophylaxis

Disease transmission, Animal to man
Fisher, S.; and Reid, R. R., 1973, Med. J. Australia, v. 1 (26), 1275-1277
statistical survey of potential blood donors for antibodies to Toxoplasma gondii, relationship to contact with domestic animals in the home: Sydney, Australia

Disease transmission, Animal to man
Fontan, R.; Beauchamp, F.; and Beaver, P. C., 1975, Bull. Soc. Path. Exot., v. 68 (6), 566-573
Diphyllobothrium mansoni, larval plerocercoid excised from eye of human suffering from diffuse conjunctivitis, 6 months previously had treated chalazion with local application of eviscerated frog: Laos

Disease transmission, Animal to man
Forsdahl, A.; and Brunborg, I., 1971, Tidsskr. Norske Laegefor., v. 91 (13), 958-960
Toxocara canis in dogs, life cycle, implications for serious infections in man and possible associations with epilepsy: Norway

Disease transmission, Animal to man
Freake, R., 1969, Med. J. Australia, v. 1 (11), 582
prevalence survey for Echinococcus granulosus in dogs used as exper. laboratory hosts for surgical procedures and possible infestation of laboratory workers: Australia

Disease transmission, Animal to man
Galliard, H., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 295-304
visceral and cutaneous larva migrans, review

Disease transmission, Animal to man
Gawish, N., 1975, Egypt. J. Bilharz., v. 2 (2), 245-253
Schistosoma mansoni in Arvicanthus niloticus established as possible reservoir host of human infection; dogs and fish (Tilapia nilotica) ingesting material containing ova may be of epidemiological importance: Gharbia Governorate, Egypt

Disease transmission, Animal to man
Glickman, L. T.; and Cypess, R. H., 1977, Am. J. Pub. Health, v. 67 (12), 1193-1195
Toxocara canis, epidemiologic survey using the enzyme-linked immunosorbent assay to measure antibodies to Toxocara in employees of an animal hospital; results showed that there was no statistical association with either job exposure to dogs or with dog ownership: New York

Disease transmission, Animal to man
Handler, J., 1975, Cahier Bleus Vet. (25), 141-148
echinococcosis, toxoplasmosis, world wide control, economic and public health importance, brief review

Disease transmission, Animal to man
Harinasuta, C.; et al., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 530-552
human parasitic diseases, extensive survey (1966-1967) to detect changes in patterns of epidemiology and endemicity of diseases occurring as a result of environmental changes caused by construction of dams, survey of humans, domestic and wild animals and molluscs in areas of northern Thailand

Disease transmission, Animal to man
Hira, P. R.; and Patel, B. G., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 640-643
Strongyloides fuelleborni rhabditiform larvae and eggs cultured to free living adults obtained from human feces, discussion of differential diagnosis from S. stercoralis, prominent morphologic features, mode of human infections, survey of prevalence in predominantly urban and suburban areas of Zambia

Disease transmission, Animal to man
Huebner, J.; and Uhlikova, M., 1974, J. Protozool., v. 21 (3), 455-456 [Abstract]
Toxoplasma gondii, proportionate participation of cysts (ingested with food) vs. oocysts (contact with contaminated feces) in transmission of toxoplasmosis to man

Disease transmission, Animal to man
Islam, N., 1977, Lancet, London (8027), v. 2, 33 [Letter]
human echinococcosis, survey of stray dogs (gastrointestinal tract) and cattle (liver, lungs, spleen) slaughtered for human consumption showed both to be infected; public health implications for human infection in Dacca, Bangladesh

Disease transmission, Animal to man
Islam, N.; Rashid, H.-u.; and Cuellar, C. B., 1977, Ann. Trop. Med. and Parasitol., v. 71 (2), 239-241
Echinococcus granulosus, survey of slaughter animals at local abattoirs, dogs as suspect definitive host in city areas: Dacca, Bangladesh

Disease transmission, Animal to man
Jacobs, D. E.; et al., 1977, Brit. Med. J., (6052), v. 1, 51
Toxocara canis, results of dog breeding kennel survey suggest that infection "not readily acquired by kennel staff maintaining a reasonable standard of personal hygiene"

Disease transmission, Animal to man
Jezic, D. V.; and Dibos, P. E., 1975, Maryland State Med. J., v. 24 (11), 83-85
echinococcosis, woman, multiple hepatic hydatid cysts, history of previously living in sheep raising country where dogs ran free, case report, diagnosis by hepatic scan: Maryland (native of Greece)

Disease transmission, Animal to man
Jones, H. I., 1976, Papua N. Guinea Med. J., 1976, v. 19 (3), 153-155
pigs as important factor in spread of Ascaris lumbricoides by eating human feces containing Ascaris eggs which then pass unharmed through pig digestive system and are spread widely in human environment; human hookworm eggs largely destroyed in pig digestive system thereby effectively reducing human exposure to hookworm larvae: Papua New Guinea

Disease transmission, Animal to man
Kelly, J. D., 1974, Internat. J. Zoonoses, v. 1 (1), 1-12
meat and offal-borne anthropozoonotic helminthiases in Australia

Disease transmission, Animal to man
Kelly, J. D., 1974, Internat. J. Zoonoses, v. 1 (1), 13-24
anthropozoonotic helminthiases associated with domesticated and domiciliated vertebrates, developmental phases in man: Australia; New Zealand

Disease transmission, Animal to man
Kowalska, M.; and Kupis, B., 1975, Przegl. Dermat., v. 62 (5), 677-680
Dermanyssus gallinae causing skin lesions in women employees of a building in which pigeons were nested, clinical aspects: Kielce, Poland

Disease transmission, Animal to man
Kowalska, M.; and Kupis, B., 1976, Polish Med. Sc. and Hist. Bull., v. XV/IV [or v. 19] (4), 391-394
Dermanyssus gallinae, edematous-papular skin lesions in 7 women attributed to Dermanyssus, women worked in building that had recently been plastered and pigeon nests on window ledges had been destroyed: Poland

Disease transmission, Animal to man
Lainson, R.; and Shaw, J. J., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (5-6), 505-508
Pneumocystis carinii, coatimundis, possible transfer of infection to humans if kept as exotic pet

Disease transmission, Animal to man
Loeffler, K., 1974, Prakt. Tierarzt , v. 55, Sondernummer, 68-72
parasites, possible transmission from small domestic animals to man, brief review

Disease transmission, Animal to man
Macias, E. G.; et al., 1973, N. England J. Med., v. 289 (23), 1239-1241
Cochliomyia hominivorax causing myiasis in children, frequently associated with pediculosis, close proximity to city stockyards and poor environmental and personal hygiene implicated in epidemiology: San Antonio, Texas

Disease transmission, Animal to man
Martire, J. R.; Liberman, I. L.; and Goldman, S. M., 1975, Maryland State Med. J., v. 24 (4), 62-63
Dirofilaria immitis, human, cause of pulmonary infarction, case report, clinical diagnosis and management: Maryland

Disease transmission, Animal to man
Meerovitch, E.; Faubert, G.; and Groulx, G., 1976, Canad. J. Pub. Health, v. 67 (4), 333-335
Dirofilaria sp. removed from superficial nodule on woman's breast, probable third documented finding of undetermined zoonotic filarial "Welty-type" nematode in human: rural Quebec Province

Disease transmission, Animal to man
Mesina, J. E.; et al., 1974, Tropenmed. u. Parasitol., v. 25 (1), 116-127
feral rodents, survey to gain insight into any pathogens potentially harmful to man: North Queensland, Australia (Amplicaecum robertsi; Physocephalus sexalatus; Nippostrongylus brasiliensis; Hymenolepis diminuta; Moniliformis moniliformis; Syphacea obvelata; Polydelphis anoura; Filaroid spp.; Angiostrongylus spp?; Haemobartonella muris; Anaplasma marginale; Hepatozoon muris; Sarcocystis muris)

Disease transmission, Animal to man
Miyazaki, I.; and Hirose, H., 1976, J. Parasitol., v. 62 (5), 836-837
Paragonimus westermani in Sus scrofa leucomystax (muscle), may be new source of human infection: Miyazaki Prefecture, Japan

Disease transmission, Animal to man
Mollaret, H. H.; and Bourdin, M., 1971, Medecine et Malad. Infect., v. 1 (3), 147-160
principal parasitic diseases transmitted to man from domestic animals, review

Disease transmission, Animal to man
Motyka, S., 1976, Bull. Acad. Vet. France, v. 49 (1), 95-99
Trichinella spiralis, human outbreak probably caused by eating imported horse meat: region of Paris, France

Disease transmission, Animal to man
Mumcuoglu, Y., 1976, Praxis, Bern, v. 65 (45), 1404-1406
Cheyletiella spp., dermatitis in humans after contact with pet cats, clinical case reports: Basel, Switzerland

Disease transmission, Animal to man
Nicolaides, N. J.; et al., 1977, Pathology, v. 9 (2), 129-135
Physalopteridae [sp.], probably Physaloptera sp. causing small bowel infarction in 11-month-old infant, infection thought to have resulted from ingestion of insects on grass eaten while at play in an area contaminated by bandicoots (probable definitive host); pathology resulted when larvae attempted tissue migration for re-encystment in a foreign host, clinical report: Queensland, Australia

Disease transmission, Animal to man
Pampiglione, S.; and Ricciardi, M. L., 1975, Riv. Parassitol., Roma, v. 36 (2-3), 89-108
Balantidium coli, discovered during survey of Pygmies (feces) for presence of intestinal parasites, probable contamination from pigs of neighboring Bantu since Pygmies do not raise pigs: Cameroun

Disease transmission, Animal to man
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Echinococcus granulosus, past history and evolving pattern of human hydatid disease and transmission in the United States

Disease transmission, Animal to man
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Toxoplasma gondii, morphology, life cycle, epidemiology, domestic cat as intermediate host in transmission to man

Disease transmission, Animal to man
Read, M. A.; and Thompson, R. C. A., 1976, J. Helminth., v. 50 (2), 95-96
Toxocara canis, Toxascaris leonina, prevalence of ova in dog faeces deposited on streets, potential human health hazard: Leeds, England

Disease transmission, Animal to man
von Reyn, C. F.; et al., 1977, J. Infect. Dis., v. 136 (4), 489-494
epidemiologic and clinical features of bubonic plague outbreak support the hypothesis that contact with flea infested domestic dogs and cats may result in direct or indirect transmission of plague to humans: New Mexico

Disease transmission, Animal to man
Ringel, J.; and Vojtech, K., 1973, Ceskoslov. Pediat., v. 28 (6), 316-318
Echinococcus granulosus, hepatic cyst successfully removed from child, infection thought to have occurred while child was grooming dog, clinical case history: Czechoslovakia

Disease transmission, Animal to man
Robinson, R. A., 1973, N. Zealand Med. J. (489), v. 77, 97-101
Toxoplasma gondii, potential role of cats in epidemiology of human infections

Disease transmission, Animal to man
Rodhain, F.; and Rodhain-Rebourg, F., 1975, Medecine Trop., v. 35 (4), 267-273
importance of knowledge of animal filariasis in diagnosing human infections, review

Disease transmission, Animal to man
Ruiz-Maldonado, R.; Tamayo, L.; and Dominguez, J., 1977, Arch. Dermat., Chicago, v. 113 (12), 1733 [Letter]
Sarcoptes scabiei var canis causing severe Norwegian type scabies in young girl, family dogs also infested and healthy dog (exper.) sucessfully infested with mites from the girl, clinical case report, successfully treated with phenylbutazone after unsuccessful therapy with benzyl benzoate: Mexico

Disease transmission, Animal to man
Saari, M.; et al., 1976, Arch. Ophth., Chicago, v. 94 (9), 1485-1488
toxoplasmic chlorioretinitis accompanying acute acquired systemic infection, case report of man probably infected through saliva or nasal secretions of infected cow, treated with pyrimethamine in conjunction with sulfadiazine and prednisone: Finland

Disease transmission, Animal to man
Sanders, D. P.; and Petersen, J. L., 1975, Proc. Indiana Acad. Sc., v. 84, 1974, 287-288
Pseudolynchia canariensis, biting teachers and custodians of school, active in early morning, apparently from pigeons roosting in building, problem eliminated by insecticide spraying: South Bend, Indiana

Disease transmission, Animal to man
Schantz, P. M., 1977, Am. J. Epidemiol., v. 106 (5), 370-379
Echinococcus granulosus, extensive epidemiologic survey of increased incidence of echinococcosis among American Indians, source thought to be sheep-dog cycle with infections acquired by dogs eating home-butchered sheep offal: Arizona and New Mexico

Disease transmission, Animal to man
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Echinococcus granulosus, extensive epidemiologic survey of American Indians living in recent high echinococcosis endemic area, indications that infection is enzootic with sheep-dog cycle and with transmission furthered by local practice of home butchering and feeding of infected meat to pet dogs: Arizona; New Mexico

Disease transmission, Animal to man
Schenone, H.; et al., 1967, Bol. Chileno Parasitol., v. 22 (1), 2-10
Trichinella spiralis, mild outbreak affecting 36 persons, exact etiology unknown but hogs feeding on garbage dump which also had abundant T. spiralis-infected rat population believed to be source: Antofagasta, Chile

Disease transmission, Animal to man
Scholten, T.; et al., 1977, Canad. Med. Ass. J., v. 117 (4), 368-369
Leishmania braziliensis, Cuterebra sp., Tunga penetrans, humans, case reports of the Canadian Public Health Laboratory, thought to occur during travel outside Canada or through contact with pet animals

Disease transmission, Animal to man
Shevkunova, E. A.; et al., 1976, Zhurnal Mikrobiol., Epidemiol., i Immunobiol. (5), 64-68
toxoplasmosis, human, immunologic survey of 2643 persons, higher incidence of infection in those keeping cats, no correlation with presence of dogs: 5 areas in USSR

Disease transmission, Animal to man
Sibalic, D.; and Radovic, M., 1970, Acta Parasitol. Iugoslavica, v. 1 (1-2), 21-27
Toxoplasma gondii, antibody titers among workers in a meat packing plant in relation to their contact with animals, higher titers among those in contact with animals, much higher incidence of new infections among those in contact with animals: Yugoslavia

Disease transmission, Animal to man
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toxoplasmosis in youths presenting as lymphadenopathy, differential diagnostic problems, close association with cats, medical management

Disease transmission, Animal to man
Sivanandam, S.; Mak, J. W.; and Lai, P. F., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (1), 68-73
Brugia malayi, experimental infections of Rattus sabanus and R. muelleri show that both rats can support full parasite development but are poor hosts and probably not important in transmission of subperiodic infection to man in Malaysia

Disease transmission, Animal to man
Smyth, J. D., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 93-100
Echinococcus granulosus, strain differences with special reference to horse strain now the major strain in the United Kingdom and Ireland, unknown potential to infect man, symposium report, genetics of strain formation and speciation

Disease transmission, Animal to man
Sogandares-Bernal, F.; et al., 1975, J. Parasitol., v. 61 (5), 965-966
higher prevalence of Toxoplasma antibodies in dairy vs. range cattle, possible danger of human infection by drinking unpasteurized milk or milk from "Certified" herds: Bitterroot Valley, Montana

Disease transmission, Animal to man
Stoll, L., 1975, Oeffentl. Gsndhtsw., v. 37 (2), 99-107
human toxoplasmosis, epidemiologic survey of foreign immigrants from Mediterranean areas and comparison with German natives as to occupational exposure, dietary habits and association with cats: West Germany

Disease transmission, Animal to man
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Sarcoptes scabiei var. canis, nat. and exper. transfer from red foxes to humans, mites unable to reproduce well in human tissue

Disease transmission, Animal to man
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visceral larva migrans syndrome present in dogs and cats, area survey, possible transfer to young children, need for public health awareness: Schenectady County, New York

Disease transmission, Animal to man
Tadros, W.; and Laarman, J. J., 1977, Trop. and Geogr. Med., v. 29 (3), 315 [Abstract]
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Disease transmission, Animal to man
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extensive review of zoonotic infections of domestic animals of Africa and insect-borne human infections, relationship to public health aspects of black Africans

Disease transmission, Animal to man
Vilimszky, Z.; and Szigetine Toth, N., 1971, Parasitol. Hungar., v. 4, 97-101
Trichostrongylus colubriformis, increased incidence in human infections revealed large endemic focus, people living in close contact with ruminants, successfully treated with thiabendazole: Borsod-Abauj-Zemplen county, Hungary

Disease transmission, Animal to man
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Balantidium coli, children, differential diagnosis, case reports, distribution associated with close human-swine contact: Mexico

Disease transmission, Animal to man
Watson, A. D. J.; Porges, W. L.; and Testoni, F. J., 1972, Med. J. Australia, v. 1 (3), 141
increasing incidence of Dirofilaria immitis in canines in Sydney, Australia area, need for awareness as possible zoonosis

Disease transmission, Animal to man
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comparative fluorescent antibody test survey of Aborigines and Caucasians for presence of antibodies to Dirofilaria immitis and correlations with canine filariasis; cross-reactions to Toxocara canis observed only in presence of eosinophilia: Queensland, Australia

Disease transmission, Animal to man
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Toxoplasma gondii, summary of clinical signs of human toxoplasmosis and means of transmission to people; review of risks of cat owners and role of veterinary surgeons in control of human infection

Disease transmission, Animal to man
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Plasmodium falciparum, P. vivax, induced malarias in Aotus monkeys, transmission to other New World monkeys and man, use as biological model, literature review

Disease transmission, Autoinfection
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Reighardia sternae implanted into gulls, low egg production, short patent period, low fecundity offset by auto-reinfection and possibly by direct transmission from bird to bird

Disease transmission, Autoinfection
Fuller, G. K., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 147 [Letter]
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Disease transmission, Autoinfection
Georgi, J. R., 1976, Science (4266), v. 194, 735
Filaroides hirthi, dogs (exper.), transmission through ingestion of first-stage larvae, theoretical possibility of autoinfection

Disease transmission, Autoinfection
Georgi, J. R.; Georgi, M. E.; and Cleveland, D. J., 1977, Parasitology, v. 75 (2), 251-257
Filaroides hirthi, dogs (nat. and exper.), diagnosis, zinc sulphate flotation more efficient than Baermann technique in concentrating larvae from feces, larvae recovered from feces proved infective and it was concluded that infection can be transmitted directly and immediately by fresh fecal contamination, mongrel dogs as well as beagles can be infected, finding of larvae in mesenteric lymph nodes long after single exposure to exogenous infection supports hypothesis of autogenous re-infection of host by proportion of larvae migrating from lungs to anus

Disease transmission, Autoinfection
Gregory, P. B., 1976, Gastroenterology, v. 70 (4), 585-588
case report of refractory hepatic amoebiasis in man despite multiple courses of emetine, chloroquine, and metronidazole, final resolution of infection after treatment of Entamoeba histolytica intestinal infection with various drugs considered as probable cause of continuing reinfection of liver: California

Disease transmission, Autoinfection
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Strongyloides stercoralis, studies in anthropoid apes, evidence for autoinfection and prenatal infection: Zoologischen Gartens, Frankfurt

Disease transmission, Autoinfection
Poltera, A. A., 1974, Ann. Trop. Med. and Parasitol., v. 68 (1), 81-90
Strongyloides stercoralis, man, 5 fatal cases with autoinfection, case reports, histopathological findings: Uganda

Disease transmission, Autoinfection
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human systemic infection with Strongyloides stercoralis presenting as skin lesions of larva currens, clinical case report and management, discussion of autoinfection, thiabendazole therapy: California (lived earlier in southeastern United States)

Disease transmission, Blood
Beauvais, B.; et al., 1976, N. Rev. Franc. Hematol., v. 16 (2), 169-184
high serologic titers to toxoplasmosis frequently greater among persons suffering from chronic myeloid leukemia than other persons, therefore leucocyte transfusions from one leukemic to another may be source of infection, pre-transfusion study advised; case report of post-transfusional toxoplasmosis: France

Disease transmission, Blood
Beauvais, B.; et al., [1977], Ann. Parasitol., v. 51 (6), 1976, 625-635
toxoplasmosis, risk of transmission by blood transfusion, slight when donors are normal, much greater when donors have chronic myeloid leukemia, case reports

Disease transmission, Blood
Edrissian, G. H., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (6), 491-493
Plasmodium malariae and P. vivax in humans, importance of blood transfusions as means of transmission and need for stringent control measures: Iran

Disease transmission, Blood
Fisher, S.; and Reid, R. R., 1973, Med. J. Australia, v. 1 (26), 1275-1277
statistical survey of potential blood donors for antibodies to Toxoplasma gondii, relationship to contact with domestic animals in the home: Sydney, Australia

Disease transmission, Blood
Garvey, G.; Neu, H. C.; and Katz, M., 1975, N. York State J. Med., v. 75 (4), 602-603
human malaria, transfusion-induced infection in woman who had undergone recent open heart surgery, clinical case report: New York, N.Y.

Disease transmission, Blood
Hoshino-Shimizu, S.; Camargo, M. E.; and Umezawa, E. S., 1975, Am. J. Trop. Med. and Hyg., v. 24 (4), 586-589
Trypanosoma cruzi, humans, slide flocculation test for diagnosis recommended as screening procedure especially for blood banks

Disease transmission, Blood
Knierim, F.; and Rubinstein, P., 1970, Vox Sanguinis, v. 18 (3), 280-286
Chagas disease, rapid hemagglutination slide test for antibodies using tanned human red cells, useful in blood banks and epidemiologic surveys

Disease transmission, Blood
Lopez, C. E.; and Schultz, M. G., 1977, J. Infect. Dis., v. 135 (5), 875-876 [Letter]
incidence of human transfusion malaria and standards for blood donor selection

Disease transmission, Blood
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Plasmodium malariae, human, 2 cases of transfusion-induced malaria, donors were Greek immigrants with latent infection who responded to special blood drives as result of 1974 Turkish-Greek war on Cyprus, need for alertness when natural or man-made disasters result in demographically unusual and large drives to collect blood: New York City

Disease transmission, Blood
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human malarias, control measures established to prevent transmission via infected blood donors; review of life cycles and clinical aspects of malaria infections

Disease transmission, Blood
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Plasmodium malariae, human transfusion malaria, rules for donor selection should be re-evaluated every few years after evaluation of epidemiologic and public health surveillance data, including that pertaining to immigrant blood donors: United States

Disease transmission, Blood
Neri, I.; and Cavallini, C., 1972, Parassitologia, v. 14 (2-3), 325-327
P[lasmodium] malariae, transmitted by blood transfusion; advice to choose only blood donors born after malaria eradication, 1952: Sardinia

Disease transmission, Blood
Oteng, A. K., 1973, Bull. Epizoot. Dis. Africa, v. 21 (4), 449-459
Uganda strain of Theileria parva, cattle (exper.), symptoms, fever, haematology, parasitaemia, pathology, transmission by blood and Rhipicephalus appendiculatus, no cross-immunity between strains of T. parva

Disease transmission, Blood
Philip, R. N.; et al., 1974, Transmis. Disease and Blood Transfus., 175-195
Dermacentor andersoni, vector of Colorado tick fever; precautionary measures to avoid transmission of virus by blood donors who may have had tick-associated illnesses

Disease transmission, Blood
Sawyer, D. M.; and Wadsworth, L. D., 1977, Canad. Med. Ass. J., v. 117 (8), 923
Plasmodium ovale in woman who had received recent blood transfusion, donor of blood had travelled earlier to Africa in the company of another person who had had 3 clinical attacks of malaria, clinical case report, emphasis on diagnostic awareness: Canada

Disease transmission, Blood
Talathi, S. B.; Joshi, N. C.; and Sood, S. R., 1973, Pediat. Clin. India, v. 8 (4), 213-214
Plasmodium vivax malaria in neonate following exchange transfusion for Rh incompatibility, successful treatment with amodiaquin, clinical case report, suggested control measures: Bombay, India

Disease transmission, Blood
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blood transfusion induced malarial infections in 2 patients with neoplastic disease, case reports, implications for alterations of immunologic status

Disease transmission, Blood
Vilaseca, G. C.; et al., 1966, Vox Sanguinis, v. 11 (6), 711-716
Trypanosoma cruzi, application of crystal violet dye to blood bank donor blood prevents transfusional transmission of Chagas disease

Disease transmission, Blood
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review of human parasitic diseases transmissible by blood transfusions (Chagas disease, African trypanosomiasis, visceral leishmaniasis, toxoplasmosis, filariasis)

Disease transmission, Blood
Wyler, D. J., 1975, N. England J. Med., v. 293 (4), 203-204 [Letter]
latent malaria in Southeast Asian refugees, need for diagnostic awareness, screening as blood donors, reporting of acute cases: United States

Disease transmission, Blood
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Plasmodium, immunology, extensive review: immunodiagnosis and seroepidemiology; immunopathology; antigenic analysis; host responses; immunoglobulins; cell-mediated reactions

Disease transmission, Control
Akiyama, J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 14-15 [Demonstration]
human malaria, studies of Anopheles vector mosquitoes to establish patterns of movement and behavior prior to DDT spraying to reduce malarial transmission

Disease transmission, Control
Ambroise-Thomas, P.; et al., 1976, Bull. World Health Organ., v. 54 (4), 355-367
human malaria, extensive sero-epidemiologic survey (6 surveys at 6-month intervals using peripheral blood examination and fluorescent antibody technique) to evaluate past and present status of malarial infection in Tunisia

Disease transmission, Control
Apt, W.; Niedmann, G.; and Atias, A., 1968, Bol. Chileno Parasitol., v. 23 (3-4), 102-107
known or suspected Toxoplasma gondii infections in pregnant women, treatment during pregnancy with pyrimethamine combined with sulfa drugs, favorable results in selected clinical trials

Disease transmission, Control
Arfaa, F.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (2), 230-233
Ascaris, Trichostrongylus spp., Ancylostoma duodenale, evaluation of different methods of control of soil transmitted helminths (sanitation measures, mass-therapy, combined mass-therapy and sanitation) in villagers of Khuzestan, southwest Iran

Disease transmission, Control
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prevention of spread of Echinococcus granulosus by denying dogs access to sheep offal: Australia

Disease transmission, Control
Avery, J. G., 1975, Papua N. Guinea Med. J., v. 18 (2), 124-125 [Letter]
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Disease transmission, Control
Awan, A. H., 1973, Pakistan J. Health, v. 23 (1), 25-38
human malaria eradication programme and reasons for its failure in Pakistan

Disease transmission, Control
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Disease transmission, Control
Beard, T. C., 1969, Med. J. Australia, v. 1 (8), 426-427
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Disease transmission, Control
Beard, T. C., 1969, Med. J. Australia, v. 2 (9), 456-459
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Disease transmission, Control
Bello, T. R.; Gaunt, S. D.; and Torbert, B. J., 1977, J. Equine Med. and Surg., v. 1 (4), 126-130
Gasterophilus intestinalis, G. nasalis, horses, artificial hatching of bot eggs with warm water as environmental prophylaxis, critical evaluation, seasonal patterns of oviposition; trichlorfon + piperazine + phenothiazine, good results

Disease transmission, Control
Bessonov, A. S., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 179-186
perspectives on eradication of several helminthozoonotic diseases in the USSR

Disease transmission, Control
Blas, B. L., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 341-345
Schistosoma japonicum, humans, agro-engineering and improved sanitation as control measures used in the Philippines

Disease transmission, Control
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Schistosoma japonicum, humans, field trials with ambilhar as therapy and as egg suppressant for mass therapy, mixed results with some severe toxicity, further trials recommended: Leyte, Philippines

Disease transmission, Control
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scabies outbreak in school children, epidemiologic survey: Florida

Disease transmission, Control
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review of malarial control program among Orang Asli aborigines, prophylactic distribution of chloroquine and pyrimethamine and frequent spraying of homes with DDT implimented, discussion of problems involved: West Malaysia jungle areas

Disease transmission, Control
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Anaplasma marginale, comparison of 2 complement fixation test methods (U.S. Dept. Agriculture vs. Canadian Animal Dis. Research Inst.), survey of cattle population of Southern Alberta in 1966 revealed no active infection, control of first Canadian outbreak in Manitoba in 1968 by serological identification and slaughter, surveillance exercised since 1970: Canada

Disease transmission, control
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Disease transmission, Control
Bruce-Chwatt, L. J., 1974, Medecine Afrique Noire, v. 12 (2), 101-106
status of malaria eradication and control in the world and attempts of eradication in black Africa, review

Disease transmission, Control
Bruce-Chwatt, L. J., 1976, Munchen. Med. Wchnschr., v. 118 (35), 1097-1107
current recommendations for prophylaxis and control of human malaria

Disease transmission, Control
Bruce-Chwatt, L. J.; and de Zulueta, J., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (3), 232-240
human malaria, details of eradication program to present stage of certification by WHO as area where malaria has been eradicated, emphasis on need for continued vigilance because of increased travel and imported cases: Portugal

Disease transmission, Control
Bryan, J. H.; and Southgate, B. A., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 39-48
Wuchereria bancrofti, assessment of diethylcarbamazine administration campaign for eradication of human infection and its effects on local vector Aedes polynesiensis, recommendations for continued surveillance and control: Western Samoa

Disease transmission, Control
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tetramisole, comparison of part paddock and whole paddock treatment of beef cattle: wallum of south eastern Queensland

Disease transmission, Control
Burke, J. A., 1977, C. R. C. Crit. Rev. Clin. Lab. Sc., v. 7 (4), 373-391
Giardia lamblia, extensive review of human giardiasis (history, life cycle, morphology, epidemiology, pathology, diagnosis, control, treatment)

Disease transmission, Control
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Echinococcus granulosus, analysis of epidemiologic factors influencing rate of progress of control measures: New Zealand

Disease transmission, Control
Butler, T.; Warren, K. S.; and Mahmoud, A. A., 1976, J. Infect. Dis., v. 133 (6), 721-726
human malarias, algorithms in the diagnosis and management

Disease transmission, Control
Cabral, H. R., 1977, Prensa Med. Argent., v. 64 (8), 268-273
Schistosoma mansoni, public health importance of possible spread of schistosomiasis from neighboring areas as result of hydroelectric projects currently being constructed, possible control measures: provincia de Misiones, Argentina

Disease transmission, Control
Cabrera, B. D.; Arambulo, P. V. III; and Portillo, G. P., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (4), 510-518
human ascariasis, statistical epidemiologic survey and development of working model for control and/or eradication of infection using a rural community in the Philippines

Disease transmission, Control
Cabrera, B. D.; and Ramos, O. L., 1972, Southeast Asian J. Trop. Med. and Pub. Health, v. 3 (4), 501-504
Plasmodium vivax, P. falciparum, humans, trials with low dose sulfamonomethoxine, good results as causal prophylactic drug: Palawan, Philippines

Disease transmission, Control
Carrie, J., 1975, Medecine Afrique Noire, v. 22 (8-9), 581-589
Schistosoma haematobium, epidemiologic survey of extending endemic area of human schistosomiasis, suggested control measures, evaluation of social and economic importance of infection: Jacob, Republique Populaire du Congo

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Disease transmission, Control
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Disease transmission, Control
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Disease transmission, Control
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Trypanosoma cruzi, survey of humans and domestic animals, area previously sprayed with insecticide as part of anti-triatomic program: Santiago, Chile

Disease transmission, Control
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Disease transmission, Control
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national anti-echinococcosis campaign, public education, control of dogs, control of slaughter; almost total elimination in food animals born since initiation of campaign: Cyprus

Disease transmission, Control
Ponnampalam, J. T.; Seow, C. L.; and Roy, O. S., 1976, J. Trop. Med. and Hyg., v. 79 (10), 220-225
human malaria prophylaxis, controlled study comparing efficacy of dapsone combined with pyrimethamine (Maloprim) to that of chloroquine for use in long-term chemosuppression of infection: Malaysia

Disease transmission, Control
Pull, J. H.; and Gramiccia, G., 1976, WHO Chron., v. 30 (7), 286-289
review of 6 years of research activity on malaria control carried out in North Nigeria and proposals for the future

Disease transmission, Control
Rajasekaran, P.; Dutt, P. R.; and Pisharoti, K. A., 1977, Indian J. Med. Research, v. 66 (2), 189-199
human intestinal parasites, survey of correlation between infection rate and source of water supply (well, street tap, home with tap water) as indication of control of water-borne diseases by public water supplies: Madurai district, Tamil Nadu, India

Disease transmission, Control
Rao, V. N., 1974, Progr. Drug Research, v. 18, 245-251
human malarias, review of control problems experienced by the National Malaria Eradication Programme of India

Disease transmission, Control
Raynaud, J. P.; and Jolivet, G., 1976, Folia Vet. Latina, v. 6 (2), 95-119
gastro-intestinal parasites of pigs, anthelmintic control, sanitation, principles, objective and methods: France

Disease transmission, Control
Rizzoli-Stalder, C.; et al., 1976, Schweiz. Arch. Tierh., v. 118 (9), 367-375
gastrointestinal parasites, horses, influence of pasturing and deworming on infestation, two test groups, higher infestation in group receiving regular anthelminthic treatment probably due to high density of animals on pasture

Disease transmission, Control
Rodger, F. C., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 225-237
ocular onchocerciasis, human, prevalence, evaluation of effectiveness of Simulium control scheme at Abuja, North Nigeria

Disease transmission, Control
Rosenfield, P. L.; Smith, R. A.; and Wolman, M. G., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 505-516
Schistosoma haematobium, development and verification of schistosomiasis transmission model to predict impact of water resource projects on human transmission using data from 54 villages in Khuzestan Province, Iran

Disease transmission, Control
Rougemont, A.; et al., 1976, Bull. World Health Organ., v. 54 (4), 403-410
human onchocerciasis, large-scale mass treatment trials (native villagers over 10 years of age) using oral diethylcarbamazine, advantages and disadvantages of program and follow-up studies: Bamako, Mali

Disease transmission, Control
Rukavina, J.; and Delic, S., 1972, Acta Parasitol. Iugoslavica, v. 3 (1), 5-14
cysticercosis in cattle and pigs, taeniasis in humans, control program, possible organization

Disease transmission, Control
Sabbaghian, H.; Hoghooghi, N.; and Ghadirian, E., 1975, Bull. Soc. Path. Exot., v. 68 (6), 574-578
Echinococcus granulosus, prevalence survey for evidence of echinococcosis in humans and domestic animals, suggested control measures: Shahre-Kord, Iran

Disease transmission, Control
Santos, A. T., jr., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 319-321
S[chistosoma] japonicum, humans, establishment of a control program for the Philippine Islands

Disease transmission, Control
Sapunar, J.; Doerr, E.; and Letonja, T., 1976, Bol. Chileno Parasitol., v. 31 (3-4), 79-83
human anisakiasis, increasing world wide problem with increased use of fish for food, suggested control measures; case report of woman who expelled Anisakis sp. from throat after eating raw fish, elimination of second worm in feces after mebendazole therapy: Santiago, Chile

Disease transmission, Control
Sasa, M., 1974, Internat. Med. Found. Japan. Reporting series (4), 3-48
human filariasis in the Americas, extensive review, epidemiology, geographic distribution, mosquito vectors, control measures, literature review

Disease transmission, Control
Sasa, M., 1974, Progr. Drug Research, v. 18, 259-268
human filariasis, historical review of antifilariasis control campaigns using mass drug therapy, vector control, and epidemiologic surveys

Disease transmission, Control
Schenone, H.; et al., 1972, Bol. Chileno Parasitol., v. 27 (1-2), 2-6
scabies, human, results of epidemiologic survey of increasing incidence, prophylactic measures instituted by public health authorities, mass treatment with lindane emulsion: Santiago, Chile

Disease transmission, Control
Schenone, H.; and Reyes, H., 1967, Bol. Chileno Parasitol., v. 22 (2), 56-59
human ectoparasites, control measures, lindane: Chile

Disease transmission, Control
Scholten, T .; Pang, D. ; and Lau, T. S., 1976, Canad. Med. Ass. J., v. 115 (7), 612-613 [Letter]
Taenia solium, 2 case reports of human cysticercosis (one with severe involvement of central nervous system and one with muscle cyst of right forearm), clinical aspects with emphasis on diagnostic awareness and possible control measures: Canada

Disease transmission, Control
Schultz, M. G., 1977, Postgrad. Med., v. 62 (2), 121-125
human parasitism resulting from increased travel to tropical areas, economic importance, control measures, prophylactic drugs available, diagnostic awareness, review

Disease transmission, Control
Slonka, G. F.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (5), 739-743
Pediculus humanus capitis, outbreak in schoolchildren, epidemiology, recommendations for control: Georgia

Disease transmission, Control
Smithies, L. K.; and Erdmann, A. A., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 127-128
anaplasmosis control program: Wisconsin

Disease transmission, Control
Suzuki, T.; and Sone, F., 1975, Nettai Igaku (Trop. Med.), v. 16 (3), 147-156
Wuchereria bancrofti, survey of Aedes polynesiensis and A. samoanus vector mosquitoes pre- and post- mass diethylcarbamazine therapy to evaluate effectiveness of disease control efforts: Western Samoa

Disease transmission, Control
Talathi, S. B.; Joshi, N. C.; and Sood, S. R., 1973, Pediat. Clin. India, v. 8 (4), 213-214
Plasmodium vivax malaria in neonate following exchange transfusion for Rh incompatibility, successful treatment with amodiaquin, clinical case report, suggested control measures: Bombay, India

Disease transmission, Control
Tesh, R. B.; and Papaevangelou, G., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 163-166
insecticide spraying for malaria control also resulted in reduced incidence of sandfly fever in Athens, Greece

Disease transmission, Control
Thalhammer, O., 1973, Neuropaediatrie, v. 4 (3), 233-237
human congenital toxoplasmosis, suggested prophylactic measures, abnormalities observed in congenitally infected children

Disease transmission, Control
Thompson, R. G.; et al., 1977, Brit. Med. J. (6074), v. 1, 1468 [Letter]
human malaria, increasing number of infections seen in travelers returning from endemic areas, suggested prophylactic measures: United Kingdom

Disease transmission, Control
Torroella, J. J.; and Portillo, C., 1976, Rev. Invest. Salud Pub., Mexico, v. 36 (3), 175-183
human onchocerciasis, past and current research projects, review: Chiapas, Mexico

Disease transmission, Control
Touratier, L., 1977, Bull. Acad. Vet. France, v. 50 (2), 275-286
present and future measures for controlling animal parasitosis throughout the world, review

Disease transmission, Control
Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (1), 1977, 1-15
17. Seminar on Trypanosomiasis (biochemistry and relevance to control; relevance of laboratory studies to tsetse control; field diagnosis; problems of land use and tsetse control)

Disease transmission, Control
Upatham, E. S., 1976, Internat. J. Parasitol., v. 6 (3), 239-245
Schistosoma mansoni, field studies on bionomics of free-living stages, densities of miracidia and cercariae in natural habitats monitored for 3 years by exposure of sentinel Biomphalaria galabrata and a cercariometric technique supplemented by sampling of field snails, control measures under evaluation in 2 of 3 localities: St. Lucia

Disease transmission, Control
Verberne, L. R. M.; and Mirck, M. H., 1976, Equine Vet. J., v. 8 (3), 123-125
horse helminths, suggested health programme for prevention and treatment, literature review

Disease transmission, Control
Verster, A.; Du Plessis, T. A.; and van den Heever, L. W., 1976, Onderstepoort J. Vet. Research, v. 43 (1), 23-26
Taenia solium cysticerci, gamma radiation effects, adverse effect on ability to evaginate in vitro, inhibition of division of neck region cells to form new proglottids in infected guinea pigs; radiation as possible means to render meat fit for human consumption

Disease transmission, Control
Viens, P.; et al., 1972, Medecine Afrique Noire, v. 19 (6), 541-547
mass population methods for control of human intestinal helminths: Ivory Coast

Disease transmission, Control
Vilaseca, G. C.; et al., 1966, Vox Sanguinis, v. 11 (6), 711-716
Trypanosoma cruzi, application of crystal violet dye to blood bank donor blood prevents transfusional transmission of Chagas disease

Disease transmission, Control
Vilimszky, Z., 1971, Parasitol. Hungar., v. 4, 65-71
human taeniasis, epidemiologic survey covering 1961-1970, suggested control measures: County Borsod, Hungary

Disease transmission, Control
Warren, M.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 607-611
differences in susceptibility to Plasmodium vivax and P. falciparum of inbred morphologic phenotypes of Anopheles albimanus vector mosquitoes, significance in epidemiologic surveys and development of vector control measures: El Salvador

Disease transmission, Control
Webber, R. H., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (3), 430-434
Wuchereria bancrofti, area survey for possible disease control as additional result of Malaria Eradication Programme since both infections transmitted by same mosquito vector: Choiseul and Shortland of Western Solomon Islands

Disease transmission, Control
Webber, R. H., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 396-400
control measures carried out by the Malaria Eradication Programme against Anopheles vectors of human malaria also resulted in the natural decline in the prevalence of human Wuchereria bancrofti infections since both diseases are transmitted by the same vector in the Solomon Islands

Disease transmission, Control
Weise, H. J., 1976, Munchen. Med. Wchnschr., v. 118 (35), 1061-1068
human exotic parasitic diseases, risks to tourists travelling in tropical countries, prophylactic and control measures, need for improved diagnosis

Disease transmission, Control
Werner, H., 1968, Bol. Chileno Parasitol., v. 23 (3-4), 98-101
Toxoplasma gondii, human latent uterine toxoplasma infections with resulting congenital transmission, prospects for diagnosis, need for antitoxoplasma treatment of women who have had habitual abortions or suspected infections

Disease transmission, Control
Wescott, R. B.; Malczewski, A.; and Van Hoosier, G. L., 1976, Lab. Animal Sc., v. 26 (5), 742-745
filter top caging effective method for preventing pinworm infection in pathogen-free mice being introduced into laboratory colony where Aspiculuris tetraptera and Syphacia obvelata were enzootic

Disease transmission, Control
White, G. B., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 278-301
malaria and filariasis in humans, extensive review of Anopheles gambiae complex vector mosquitoes, their morphologic identification and relationship to disease spread, possible control measures: Africa

Disease transmission, Control
Wilson, A. J.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 275 [Abstract]
trypanosomiasis, attempted control measures to prevent infections in Boran cattle raised in endemic areas, trials with diminazene aceturate and isometamidium chloride in different regimes: Kenya

Disease transmission, Control
Yokogawa, M., 1974, Internat. Med. Found. Japan. Reporting series (4), 83-99
Schistosoma japonicum in humans and domestic animals, epidemiology, control measures, geographic distribution in Japan and Far East

Disease transmission, Control
Yokogawa, M., 1974, Internat. Med. Found. Japan. Reporting series (4), 137-149
Paragonimus spp. infective to man, epidemiology, geographic distribution, current control measures, mass therapy with bithionol, extensive review

Disease transmission, Control
Yokogawa, M., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 322-329
Schistosoma japonicum, humans, review of current control measures, including snail control with molluscicides: Japan

Disease transmission, Control
Yvore, P., 1976, Avian Path., v. 5 (4), 237-252
methods for prevention of coccidiosis in poultry, review

Disease transmission, Feces. [See also Manure; Night soil]

Disease transmission, Feces
Armstrong, E., 1976, Ztschr. Parasitenk., v. 50 (2), 161-165
Nosema kingi, fecal and transovarial transmission in Drosophila willistoni, infectivity to other hosts

Disease transmission, Feces
Bicknell, S. R., 1972, Brit. Vet. J., v. 128 (4), xi-xiv
Toxoplasma gondii, sheep (exper.), faecal transmission to mice unsuccessful

Disease transmission, Feces
Black, R. E.; et al., 1977, Pediatrics, Am. Acad. Pediat., v. 60 (4), 486-491
Giardia lamblia, severe diarrhea affecting 54% of children in day care center, suggestion of fecal-oral transmission from child to child and from infected children to their families, also possibility of infected fomites, epidemiologic survey: Georgia

Disease transmission, Feces
Chen, P. C. Y., 1969, Med. J. Malaya, v. 23 (3), 159-168
survey of various methods used by rural households to dispose of human excreta, public health implications in spread of human helminths: Malaya

Disease transmission, Feces
Chen, P. C. Y., 1970, Med. J. Malaya, v. 24 (3), 176-182
survey of rural Malay community for beliefs and practices regarding Ascaris lumbricoides infections, poor sanitation and tribal practices aid in spread of infections: Malaysia

Disease transmission, Feces
Chinchilla, M.; and Ruiz, A., 1976, J. Parasitol., v. 62 (1), 140-142
Toxoplasma gondii, sporulation of oocysts not affected or only slightly by passage through intestinal tracts of cockroaches, cat feces acceptable food for cockroaches, results suggest potential of cockroaches as transport hosts: Costa Rica

Disease transmission, Feces
Dubey, J. P., 1976, Nature, London (5565), v. 262, 213-214
Toxoplasma gondii, reshedding of oocysts by chronically infected cats in absence of exogenous reinfection, effect of superinfection with Isospora rivolta or I. felis, public health implications

Disease transmission, Feces
Enigk, K.; et al., 1975, Zentralbl. Vet.-Med., Reihe B, v. 22 (8), 687-702
survival of resistant external stages of parasites during fermentation of liquid cattle manure at high temperatures

Disease transmission, Feces
Frenkel, J. K.; Ruiz, A.; and Chinchilla, M., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 439-443
persistence of viable Toxoplasma gondii oocysts in soil up to 18 months in Kansas and 1 year in Costa Rica, experimentally buried infected cat feces; Musca fly, Armadillium sp., earthworms acted as transport hosts with earthworm possibly also vector as food for birds; seasonal distribution, effects of weather on infectivity

Disease transmission, Feces
Frescura, T.; Polidori, G.A.; and Sarris, C., 1972, Atti Soc. Ital. Sc. Vet., v. 26, 509-512
Toxoplasma gondii, oocysts from cat feces, maintained at room temperature for intervals of up to one year, infective to mice

Disease transmission, Feces
Gemmell, M. A.; and Macnamara, F. N., 1976, Research Vet. Sc., v. 21 (2), 215-219
Taenia hydatigena, sheep allowed to graze pasture before and after removal of infected dogs, factors regulating worm populations (infection pressure, index of egg clustering, survival rate of cysts), model for epidemiological studies

Disease transmission, Feces
Georgi, J. R.; Georgi, M. E.; and Cleveland, D. J., 1977, Parasitology, v. 75 (2), 251-257
Filaroides hirthi, dogs (nat. and exper.), diagnosis, zinc sulphate flotation more efficient than Baermann technique in concentrating larvae from feces, larvae recovered from feces proved infective and it was concluded that infection can be transmitted directly and immediately by fresh fecal contamination, mongrel dogs as well as beagles can be infected, finding of larvae in mesenteric lymph nodes long after single exposure to exogenous infection supports hypothesis of autogenous re-infection of host by proportion of larvae migrating from lungs to anus

Disease transmission, Feces
Ghadirian, E.; et al., 1976, Canad. J. Pub. Health, v. 67 (6), 495-498
human toxocariasis, prevalence survey of Toxocara spp. and other helminth ova in dogs and soil from city parks, larvae survival over winter months results in continuing contamination of soil and increasing public health problem: Montreal

Disease transmission, Feces
Ghadirian, E.; and Arfaa, F., 1975, Am. J. Trop. Med. and Hyg., v. 24 (6, pt. 1), 935-941
Trichostrongylus spp., man and domestic animals, present status in Iran, means of transmission

Disease transmission, Feces
Ghazal, A. M.; and Avery, R. A., 1976, Parasitology, v. 73 (1), 39-45
Hymenolepis nana, white mice, transmission rate, exposure in small cages to parasite eggs or to feces from infected mice, increased likelihood of infection with prior host starvation probably due to increased coprophagy

Disease transmission, Feces
Goldsmith, R.; et al., 1976, J. Am. Med. Ass., v. 235 (19), 2114-2116
survey of enteric parasites isolated from Vietnamese children immigrating by airlift into the United States and their transmission to volunteers caring for refugees: San Francisco

Disease transmission, Feces
de Groot, J. F. M.; et al., 1976, Nederl. Tijdschr. Geneesk., v. 120 (51), 2263-2267
Trichuris trichiura, Ascaris lumbricoides and Entamoeba histolytica, fecal survey of nursing staff and inmates of hospital for mentally retarded for presence of intestinal parasites: Groot Schuylenburg, Apeldoorn, Netherlands

Disease transmission, Feces
Hall, A. P.; Ridley, D. S.; and Thomas, J. R. L., 1976, Brit. Med. J. (6024), v. 1, 1542
pathogenic parasitism discovered in immigrant food handlers, public health implications, hygiene measures implemented by employing food factory: England

Disease transmission, Feces
Hansman, D. J.; and Brown, J. M., 1974, Med. J. Australia, v. 2 (15), 563-565
eosinophilic cystitis in 4-year-old child probably associated with echinococcal infections (eggs of Echinococcus granulosus found in pet dog's feces and child had strongly positive Casoni reaction): Australia

Disease transmission, Feces
Huebner, J.; and Uhlikova, M., 1974, J. Protozool., v. 21 (3), 455-456 [Abstract]
Toxoplasma gondii, proportionate participation of cysts (ingested with food) vs. oocysts (contact with contaminated feces) in transmission of toxoplasmosis to man

Disease transmission, Feces
Idowu, L.; and Olotu, O., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (3), 262
Cordylobia anthropophaga, furuncular myiasis affecting a dog and its owners, case report, public health importance of proper disposal of dog excreta: Apapa, Nigeria

Disease transmission, Feces
Ito, S.; and Tsunoda, K., 1975, Japan Agric. Research Quart., v. 9 (4), 221-224
piglets inoculated with 2 strains of Toxoplasma oocysts: natural transfer to uninfected piglets in same pen, exper. transfer to mice from infected visceral organs of piglets; piglets nat. and exper. infected with toxoplasmosis by feeding on leaf-moulds contaminated with cat feces, treatment with 2-sulfamoyl-4,4'-diaminodiphenyl-sulfone (SDDS)

Disease transmission, Feces
Iversen, E. S.; and Kelly, J. F., 1976, J. Invert. Path., v. 27 (3), 407-408
successful transmission of Thelohania penaei by feeding infected trout feces to pink shrimp: Biscayne Bay

Disease transmission, Feces
Jones, H. I., 1976, Papua N. Guinea Med. J., 1976, v. 19 (3), 153-155
pigs as important factor in spread of Ascaris lumbricoides by eating human feces containing Ascaris eggs which then pass unharmed through pig digestive system and are spread widely in human environment; human hookworm eggs largely destroyed in pig digestive system thereby effectively reducing human exposure to hookworm larvae: Papua New Guinea

Disease transmission, Feces
Lamas, R.; et al., 1970, Bol. Chileno Parasitol., v. 25 (1-2), 74-77
cutaneous larva migrans (possible Ancylostoma caninum origin) in city garbage collector successfully treated with thiabendazole, transmission of infection probably from fecal-contaminated material associated with occupation: Santiago, Chile

Disease transmission, Feces
Landau, I.; et al., 1975, Compt. Rend. Acad. Sc., Paris, v. 281, s. D, Sc. Nat. (22), 1721-1723
Eimeria sp., crustacean infected with oocysts from fish feces, freed sporozoites remain as latent stage in intestinal wall; possible alimentary pyramid concentrating infective forms in aquatic environment
Gymnothorax moringa "murene" (foie, intestin): Petit Bourg, Guadeloupe
Mysidacea (intestinal wall) (exper.)

Disease transmission, Feces
Macdonld, D. L., 1976, N. Zealand Med. J. (566), v. 83, 447-448
asymptomatic carriers of Entamoeba histolytica, possible role in disease transmission and need for detection to prevent infection spread

Disease transmission, Feces
Miller, M. J., 1974, Progr. Drug Research, v. 18, 225-237
Entamoeba histolytica, humans, extensive epidemiologic review of human amoebiasis with comparative study of environmental and sociologic factors of 2 Amerindian reservations one of which had a high prevalence of infection and the other none

Disease transmission, Feces
Nelson, G. S., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 109-122
human behavior in the transmission of parasitic diseases, review

Disease transmission, Feces
Radford, A. J., 1973, Med. J. Australia, v. 1 (5), 238-241
Balantidium coli infections in West Irian highland natives who maintain intimate living association with domestic pigs, case reports, medical management: Papua New Guinea

Disease transmission, Feces
Read, M. A.; and Thompson, R. C. A., 1976, J. Helminth., v. 50 (2), 95-96
Toxocara canis, Toxascaris leonina, prevalence of ova in dog faeces deposited on streets, potential human health hazard: Leeds, England

Disease transmission, Feces
Rifaat, M. A.; et al., 1976, J. Trop. Med. and Hyg., v. 79 (3), 67-70
seroepidemiolgoic survey of stray cats for Toxoplasma gondii antibodies and role in epidemiology of human infection, no cross-immunity with Isospora spp. in relationship study, high percentage of cats surveyed shedding oocysts in feces: Cairo, Egypt

Disease transmission, Feces
Ruiz, A.; and Frenkel, J. K., 1977, J. Parasitol., v. 63 (5), 931-932
Toxoplasma isolated from cat feces deposited in false attics of homes, survival of oocysts under these conditions in field experiments, possible role in transmission: Costa Rica

Disease transmission, Feces
Sengbusch, H. G.; and Sengbusch, L. A., 1976, Am. J. Epidemiol., v. 103 (6), 595-597
comparative survey for prevalence of Toxoplasma gondii antibodies in veterinary personnel and selected population with no exposure to cats; hygiene, type of association, duration of exposure and infectivity of cats as considerations for disease transmission

Disease transmission, Feces
Shaw, P. K.; et al., 1977, Ann. Int. Med., v. 87 (4), 426-432
Giardia lamblia, communitywide outbreak of human giardiasis with incrimination of public water supply as source of contamination, possibility of water supply contaminated by human waste; cyst found in water supply and dogs experimentally infected with samples of raw water from the city reservoir: Rome, New York

Disease transmission, Feces
Spencer, H. C., jr.; et al., 1976, Am. J. Epidemiol., v. 104 (1), 93-99
statistical epidemiologic survey of endemic human amoebiasis area, household crowding, poor sanitation and resulting fecal contamination implicated as cause of transmission

Disease transmission, Feces
Upatham, E. S., 1972, Southeast Asian J. Trop. Med. and Pub. Health, v. 3 (4), 600-604
Schistosoma mansoni, egg-infested human feces deposited in natural and standing and running water habitats containing Biomphalaria glabrata (exper.), tests of how soon and for how long eggs would hatch showed that hatchability of eggs was high but only a few miracidia successfully infected snails

Disease transmission, Food
Andreassen, J.; and Jørring, K., 1970, Nord. Med., Stockholm, v. 84 (48), 1492-1495
anisakiasis in human presenting as acute appendicitis, at surgical intervention white worm larvae discovered in intestinal wall, other larvae found in patient's home-salted herring: Denmark

Disease transmission, Food
Andy, J. J.; et al., 1977, Am. J. Med., v. 63 (5), 824-829
trichinosis, acute fatal infection in woman who at autopsy was found to have extensive ventricular endocardial damage with superimposed thrombosis, was known to have eaten raw meat frequently, clinical and morphologic report, review of other autopsies for other trichinosis-associated heart involvements

Disease transmission, Food
Aparicio Garrido, J.; et al., 1972, Med. Trop., Madrid, v. 48 (1-2), 11-23
sheep, cattle and pigs slaughtered at local abbatoir surveyed for serologic evidence of Toxoplasma gondii infection, possible correlation of human infections transmitted through consumption of meat animals and comparisons with similar studies done in other parts of world: Madrid

Disease transmission, Food
Ash, L. R., 1976, Rev. Biol. Trop., v. 24 (1), 163-174
Angiostrongylus cantonensis in mollusks and planarians occurring in market gardens supplying fresh produce; marked seasonal occurrence of planarians during cool months corresponds to peak vegetable growing season, important source of human infection: near Noumea, New Caledonia

Disease transmission, Food
Bakke, T. A., 1972, Norwegian J. Zool., v. 20 (3), 165-188
Digenea of Larus canus, incidence and intensity, age of host, seasonal variation, distribution in alimentary canal; relationship to host habitat, food, and breeding behavior: Norway

Disease transmission, Food
Bakke, T. A., 1972, Norwegian J. Zool., v. 20 (3), 189-204
Digenea of Larus canus, incidence and intensity, seasonality, relationship to host age, sex, weight, and food habits, diagrammatic model of infection pattern: Norway

Disease transmission, Food
Barrett-Connor, E.; et al., 1976, J. Infect. Dis., v. 133 (4), 473-477
Trichinella spiralis, outbreak in campers after eating roasted wild pig, diagnosis by eosinophilia and sero-immunologic studies; diagnostic test comparisons, skin-test antigen inconclusive: California (infected in Hawaii)

Disease transmission, Food
Beauvais, P.; et al., 1974, Pediatrie, v. 29 (6), 615-625
acquired toxoplasmosis, hepatic manifestation of infection in 8 of 10 family members, contaminated meat from sheep probable source of infection, clinical aspects: France

Disease transmission, Food
Beaver, P. C.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 422-426
Alaria-like previously undescribed species of subfamily Alariinae, mesocercaria removed from each of two intradermal swellings on thigh and iliac crest of man, morphologic features, infection probably resulted from ingestion of raw or undercooked game animal (probably raccoon): Louisiana

Disease transmission, Food
Bisseru, B.; Gill, S. S.; and Lucas, J. K., 1972, Med. J. Malaya, v. 26 (3), 164-167
first reported case of human eosinophilic meningoencephalitis in West Malaysia, history of eating raw prawns and salad greens, diagnosis, case report: Kuala Lumpur

Disease transmission, Food
Bonner, W. N., 1972, Oceanogr. and Marine Biol. Ann. Rev., v. 10, 461-507
role of seals as definitive hosts of Terranova decipiens, larvae of which are found in cod and other commercially prepared seafood

Disease transmission, Food
Bozhkov, D., 1974, Izvest. Tsentral. Khelmint. Lab., v. 17, 25-31
8 helminth species in Rana ridibunda fed to Natrix natrix or N. tesselata, found that Diplodiscus subclavatus, Opisthioglyphe ranae, Cephalogonimus retusus, and Cosmocerca ornata can pass alive from body of ingested frog to intestine of Natrix natrix, and D. subclavatus to N. tesselata

Disease transmission, Food
Bura, M. W. T.; and Willett, W. C., 1977, East African Med. J., v. 54 (4), 185-193
Trichinella spiralis, extensive epidemiologic survey of trichinosis outbreak (11 persons of whom 2 died of infection) in Iraqw native tribe, source of infection probably a warthog killed and shared by 4 families, potential increasing public health problem if domestic pigs come in contact with carcasses of infected wild pigs: Tanzania

Disease transmission, Food
Burridge, M. J.; and Schwabe, C. W., 1977, Am. J. Trop. Med. and Hyg., v. 26 (2), 258-265
Echinococcus granulosus, dynamics of epidemiologic survey of Maori people, cultural and behavioral factors together with poor dog control result in higher incidence in Maoris than in non-Maoris: New Zealand

Disease transmission, Food
Cabrera, B. D.; and Fevidal, P. M., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (1), 39-45
human paragonimiasis, prevalence survey, clinical trials with bithionol produced complete cures, continued consumption of partially cooked or raw crabs results in continued reinfections in the Philippines

Disease transmission, Food
Cattan, P. E.; and Videla, N. N., 1976, Bol. Chileno Parasitol., v. 31 (3-4), 71-74
Anisakis sp., survey of parasitized Trachurus murphyi (cavidad celomatica, mesenterios, estomago, intestino, gonadas), relationship between size of fish and frequency of parasitism, potential for human infection through fish consumption: puertos de Arica e Iquique, Chile

Disease transmission, Food
Chen, S.-N., 1975, Bull. Inst. Zool., Acad. Sinica, v. 14 (2), 109-113
Angiostrongylus cantonensis as possible cause of human cases of eosinophilic meningitis, immunoglobulins and leucocytes in blood and cerebrospinal fluid, antibody to A. cantonensis, evidence for specific immune response, history of eating raw Achatina fulica

Disease transmission, Food
Chitwood, M., 1975, Am. J. Trop. Med. and Hyg., v. 24 (4), 710-711
Phocanema-type larva coughed up by boy who 4 days earlier had eaten marinated raw fish, case report: California

Disease transmission, Food
Chung, H. L.; et al., 1975, Scientia Sinica, v. 18 (6), 785-814
Paragonimus hueitungensis sp. nov., life history, pathogenicity, case reports in children, transmission by raw or undercooked crabs

Disease transmission, Food
Cross, J. H.; et al., 1976, Trop. and Geogr. Med., v. 28 (4), 355-358
Toxoplasma gondii, seroepidemiologic survey of domestic animals for haemagglutinating antibodies, goats used as meat animals found to have high titers, possible role in transmission to man: Indonesia

Disease transmission, Food
Daengsvang, S.; Sangsingkeo, P.; and Senivong-Na-Ayudhaya, B., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 260-262
Gnathostoma spinigerum larva excised from finger of man who had symptoms of migratory swelling, pain and itching over left forearm for 2 years, possible transmission by consumption of partially cooked chicken: Thailand

Disease transmission, Food
Dallochio, M.; et al., 1974, Nouv. Presse Med., v. 3 (16), 1034 [Letter]
distomiasis in man with resulting endomyocardial fibrosis, history of eating water cress, clinical case report: France

Disease transmission, Food
Dall'Orso, L. M.; et al., 1975, Bol. Chileno Parasitol., v. 30 (1-2), 30-31
human enteroparasites or commensals, 59.3% positive findings in stool survey of 169 food handlers: Concepcion, Chile

Disease transmission, Food
Davis, M. J.; et al., 1976, Neurology, v. 26 (1), 37-40
Trichinella spiralis in man, severe muscle involvement (4,046 larvae per gram of muscle), clinical case report, history of frequent consumption of pickled pigs' feet, recovery after thiabendazole given concomitantly with prednisone: New York City

Disease transmission, Food
Dujsin, M.; and Pasini, J., 1972, Medicinar, Zagreb, v. 23 (1-2), 9-19
extensive clinical review of human Toxoplasma gondii, life cycle, transmission via infected meat, diagnosis, prophylaxis

Disease transmission, Food
Duncan, N., 1976, Mammal Rev., v. 6 (2), 63-74
Skrjabingylus nasicola, theoretical aspects of transmission to stoats and weasels based on laboratory study of food habits under conditions of food abundance and food shortage; extent of skull damage in weasels

Disease transmission, Food
Durfee, P. T.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 42-47
Toxoplasma gondii, man and animals, seroepidemiologic survey, consumption of undercooked goat meat appears to be significant source of infection: South Kalimantan (Borneo), Indonesia

Disease transmission, Food
Fassi-Fehri, M., 1969, Maroc Med. (530), v .v. 49, 727-736
human parasitic diseases acquired by ingesting food of animal origin, clinical review

Disease transmission, Food
Fayer, R., 1975, Proc. Helminth. Soc. Washington, v. 42 (2), 138-140
Sarcocystis-infected beef obtained at slaughter or from retail food stores, effect of refrigeration, cooking, and freezing on infectivity to dogs, "the potential for transmission of Sarcocystis to humans and their pets by fresh beef clearly exists."

Disease transmission, Food
Feizullaev, N. A.; Litvinov, V. P.; and Litvinov, V. F., 1977, Dokl. Akad. Nauk Azerbaidzhan. SSR, v. 33 (2), 61-62
Trichinella spiralis, prevalence in predatory mammals, wild boars sold for meat as potential source of human infection: Kyzyl-Agach reservation

Disease transmission, Food
Fernandes, B. J.; et al., 1976, Canad. Med. Ass. J., v. 115 (11), 1111-1114
Alaria americana mesocercariae, massive infection in man with parasites present throughout body, bithionol therapy unsuccessful, diagnosis by lung biopsy confirmed at autopsy, infection probably from eating undercooked frogs' legs, generalized immunologic reactions, clinical report: Ontario, Canada

Disease transmission, Food
Ford, G. E., 1974, Austral. Vet. J., v. 50 (1), 38-39
Sarcocystis sp., prey-predator transmission in ovine sarcosporidiosis, specific pathogen free dogs fed fresh meat from lambs containing cysts

Disease transmission, Food
Franken, S., 1975, Ophthalmologica, Basel, v. 171 (1), 7-10
human Taenia solium with cysticercus identified in flow region of ophthalmic artery, 5 case reports, some patients gave history of eating undercooked pork, 2 were vegetarians: India

Disease transmission, Food
Freeman, R. S.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (6), 803-807
Alaria americana, fatal human infection, several thousand mesocercariae extensively distributed throughout body, death resulted from asphyxiation due to extensive pulmonary hemorrhage probably caused by immune-mediated mechanisms, circumstances suggest inadequately cooked frog legs as source of infection, Rana clamitans, R. pipiens, R. catesbiana, and Thamnophis sirtalis in vicinity of family farm found to be infected with Alaria spp.: Ontario, Canada

Disease transmission, Food
Frescura, T.; Ambrosi, M.; and Polidori, G. A., 1972, Parassitologia, v. 14 (1), 129-135
Toxoplasma gondii, swine blood samples tested by immunofluorescence, some positive cases confirmed by isolating organism in mice; incidence of 18.3% indicates swine meat may be important source of disease spread: Perugia

Disease transmission, Food
Fribourg-Blanc, A.; Bois, E.; and Feingold, J., 1975, Medecine et Malad. Infect., v. 5 (10), 502-507
toxoplasmosis, epidemiologic survey of Amerindian tribes in French Guiana, implication of wild animals used as food source as possible reservoir hosts

Disease transmission, Food
Gold, B. M.; and Meyers, M. A., 1977, Am. J. Roentgenol., v. 128 (3), 493-494
Taenia saginata, case report of tapeworm in butcher who routinely ate raw beef, radiologic manifestations and differentiation from Ascaris lumbricoides as seen on X-ray, atabrine: New York City

Disease transmission, Food
Goldsmith, R.; et al., 1976, J. Am. Med. Ass., v. 235 (19), 2114-2116
survey of enteric parasites isolated from Vietnamese children immigrating by airlift into the United States and their transmission to volunteers caring for refugees: San Francisco

Disease transmission, Food
Griffiths, W. E., 1976, N. Zealand J. Marine and Freshwater Research, v. 10 (3), 533-536
Hedruris spinigera in Perca fluviatilis (stomach), high rate of infestation when perch fed on Retropinna retropinna, rapid decline when this food source no longer available: Selwyn River, New Zealand

Disease transmission, Food
Hall, A. P.; Ridley, D. S.; and Thomas, J. R. L., 1976, Brit. Med. J. (6024), v. 1, 1542
pathogenic parasitism discovered in immigrant food handlers, public health implications, hygiene measures implemented by employing food factory: England

Disease transmission, Food
Harinasuta, C.; et al., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 530-552
human parasitic diseases, extensive survey (1966-1967) to detect changes in patterns of epidemiology and endemicity of diseases occurring as a result of environmental changes caused by construction of dams, survey of humans, domestic and wild animals and molluscs in areas of northern Thailand

Disease transmission, Food
Hauck, A. K., 1977, J. Parasitol., v. 63 (3), 515-519
Anisakis sp. larvae in Clupea harengus pallasi from Yaquina Bay, Oregon, effects of various methods of handling and processing (fresh, frozen, brine, cold smoked, and cold smoked-gibbed) on migration into and survival in flesh of fish, implications for transmission to humans

Disease transmission, Food
Heydorn, A. O., 1977, Arch. Lebensmittel.-Hyg., v. 28 (1), 27-31
Sarcocystis bovihominis, S. bovicanis, exper. human infection from raw beef, minor symptoms; S. suihominis, exper. human infection from raw pork, severe symptoms, parasite pathogenic or toxic

Disease transmission, Food
Hoerning, B., 1977, Schweiz. Arch. Tierh., v. 119 (8), 337-339
raw horse meat as a probable source of human trichinosis: Italy and France

Disease transmission, Food
Horwitz, M. A.; and Hughes, J. M., 1976, J. Infect. Dis., v. 134 (3), 306-312
Trichinella spiralis, Toxoplasma gondii, Anisakidae, implicated in human food borne diseases in United States, compiled for 1974 by Center for Disease Control, Atlanta

Disease transmission, Food
Huang, C. T.; et al., 1969, Nettai Igaku (Trop. Med.), v. 11 (3), 136-144
epidemiologic survey of post-mortem examinations and fecal specimens from hospital patients for intestinal helminths; incidence of clonorchiasis remains stable due to custom of eating raw fish; soil nematode infections decreasing with improved sanitation: Hong Kong

Disease transmission, Food
Huebner, J.; and Uhlikova, M., 1974, J. Protozool., v. 21 (3), 455-456 [Abstract]
Toxoplasma gondii, proportionate participation of cysts (ingested with food) vs. oocysts (contact with contaminated feces) in transmission of toxoplasmosis to man

Disease transmission,Food
Hughes, J. M.; Merson, M. H.; and Pollard, R. A., jr., 1975, J. Infect. Dis., v. 132 (2), 224-228
summary of data from food-borne disease outbreaks in the United States reported to the Center for Disease Control in Atlanta, Ga., in 1973, includes cases of Trichinella spiralis

Disease transmission, Food
Imperato, P. J.; et al., 1977, N. York State J. Med., v. 77 (1), 50-56
human parasitic infections, epidemiologic and incidence survey in New York City, decreased incidence of total parasitism but parasites associated with overseas travel and immigration still are prevalent

Disease transmission, Food
Islam, N., 1977, Lancet, London (8027), v. 2, 33 [Letter]
human echinococcosis, survey of stray dogs (gastrointestinal tract) and cattle (liver, lungs, spleen) slaughtered for human consumption showed both to be infected; public health implications for human infection in Dacca, Bangladesh

Disease transmission, Food
Islam, N.; Rashid, H.-u.; and Cuellar, C. B., 1977, Ann. Trop. Med. and Parasitol., v. 71 (2), 239-241
Echinococcus granulosus, survey of slaughter animals at local abattoirs, dogs as suspect definitive host in city areas: Dacca, Bangladesh

Disease transmission, Food
Ito, S.; and Tsunoda, K., 1975, Japan Agric. Research Quart., v. 9 (4), 221-224
piglets inoculated with 2 strains of Toxoplasma oocysts: natural transfer to uninfected piglets in same pen, exper. transfer to mice from infected visceral organs of piglets; piglets nat. and exper. infected with toxoplasmosis by feeding on leaf-moulds contaminated with cat feces, treatment with 2-sulfamoyl-4,4'-diaminodiphenyl-sulfone (SDDS)

Disease transmission, Food
Jones, E. A.; et al., 1977, Am. J. Med., v. 63 (5), 836-842
Fasciola hepatica, massive infection in man (ova in feces) who frequently ate wild watercress (suitable habitat and infected snail hosts found near source of watercress), extensive clinical case report, successful therapy with bithionol after incomplete cure using chloroquine: Northwest England

Disease transmission, Food
Juels, C. W.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (6, pt. 1), 942-944
Phocanema sp. larva coughed up from throat of man several days after he had eaten raw fish, case report, evidence of possible temporary tissue invasion because of mild transitory eosinophilia: California

Disease transmission, Food
Kagei, N.; Kihata, M.; and Hirayama, T., 1975, Bull. Inst. Pub. Health, Tokyo, v. 24 (1), 7-17
economic importance and public health implications of parasitized food fish, epidemiologic survey

Disease transmission, Food
Khalil, G. M., 1976, J. Parasitol., v. 62 (1), 126
Linguatula serrata, prevalence in Bos taurus and Camelus dromedarius (visceral lymph nodes), potential health hazard to humans: Cairo abattoir

Disease transmission, Food
Khamboonruang, C.; and Nateewatana, N., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (1), 74-78
Trichinella spiralis, outbreak of trichinosis in 27 native villagers who had eaten raw pork as part of native dish, epidemiologic survey: Mae Sruay District, northern Thailand

Disease transmission, Food
.King, M. S., 1968, Med. J. Malaya, v. 23 (2), 139
flukes identified as Clonorchis sinensis discovered in left hepatic duct of man undergoing gall bladder surgery, case report, history of raw fish consumption: Malaya

Disease transmission, Food
Kliks, M.; Tantachamrun, T.; and Chaiyaporn, V., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (2), 303-309
Macracanthorhynchus hirudinaceus, human, fertilized female worm removed from ulcerous area of intestinal wall, infection probably resulted from ingestion of intermediate host beetle as food, clinical case report, morphology of recovered worm: Thailand

Disease transmission, Food
Ko, R. C., 1976, Canad. J. Zool., v. 54 (4), 597-609
Echinocephalus sinensis, seasonal variation in incidence and intensity in Crassostrea gigas, seasonal variation in infectivity to exper. mammal hosts possibly dependent upon ambient temperature, pathology in mammals, implications for possible human infection from eating poorly cooked oysters: Hong Kong

Disease transmission, Food
Kramer, M. D.; and Aita, J. F., 1972, Neurology, v. 22 (5), 485-491
Trichinella spiralis in human with central nervous system involvement and unilateral rectus paresis, case report, history of pork chop consumption, thiabendazole in conjunction with prednisone: Baltimore

Disease transmission, Food
Lamy, C.; et al., 1976, Nouv. Presse Med., v. 5 (15), 1005-1006 [Letter]
intestinal distomiasis in man who had recently traveled to Japan and eaten raw fish and aquatic plants, clinical case report, relief of symptoms with niclosamide: Caen, France

Disease transmission, Food
Lie Kian Joe; et al., 1962, Med. J. Malaya, v. 17 (1), 37-39
trematode ova, probably Poikilorchis sp., found in retro-auricular abscess excised from child, possible infection from eating fresh water crabs: Sarawak

Disease transmission, Food
Lim, B. L., 1976, Med. J. Malaysia, v. 30 (3), 207-211
clinical aspects and presenting symptoms of human eosinophilic meningoencephalitis caused by rat lungworm Angiostrongylus cantonensis and speculation as to similar infection by Angiostrongylus malaysiensis indigenous to Malaysia, probable disease transmission through raw or inadequately cooked food

Disease transmission, Food
Lim, B. L.; and Omar-Ahmad, U. D., 1969, Med. J. Malaya, v. 23 (3), 208-213
survey for Angiostrongylus cantonensis infected wild rodents and land molluscs and contaminated leaf lettuce, probable sources of human meningoencephalitis in Malaysia

Disease transmission, Food
Loison, G.; Jardin, C.; and Crosnier, J., 1973, Medecine Trop., v. 33 (2), 143-161
human eosinophilic meningitis caused by Angiostrongylus cantonensis, possible transmission through contaminated food, public health program, improved sanitation as control measures: South Pacific Islands

Disease transmission, Food
Mantovani, A.; et al., 1976, Bull. Acad. Vet. France, v. 49 (2), 213-222
human trichinosis, source of infections appears to be contaminated horsemeat imported from Poland or Yugoslavia, case report: Bagnolo in Piano (Reggio Emilia), Italy

Disease transmission, Food
Margolis, L., 1977, J. Fish. Research Bd. Canada, v. 34 (7), 887-898
Phocanema decipiens in humans that eat raw, lightly marinated, or undercooked marine fishes, diagnosis, treatment, public health implications, review

Disease transmission, Food
Menard, E.; et al., 1973, Bol. Chileno Parasitol., v. 28 (3-4), 73-77
Trichinella spiralis outbreak in 13 of 19 persons of a religious group, had eaten pork not raised and slaughtered under sanitary conditions: Chile

Disease transmission, Food
Miyazaki, I.; and Habe, S., 1976, J. Parasitol., v. 62 (4), 646-648
Paragonimus westermani, probability that various animals serve as paratenic hosts and man can acquire infection from eating them as well as by eating crabs or crayfish

Disease transmission, Food
Moloo, S. K.; Losos, G. J.; and Kutuza, S. B., 1973, Ann. Trop. Med. and Parasitol., v. 67 (3), 331-334
Trypanosoma brucei, successful transmission to cats and dogs by feeding on infected goats, results suggest that oral mode of transmission might be operative in areas where wild carnivores have high rate of trypanosome infection

Disease transmission, Food
Motyka, S., 1976, Bull. Acad. Vet. France, v. 49 (1), 95-99
Trichinella spiralis, human outbreak probably caused by eating imported horse meat: region of Paris, France

Disease transmission, Food
Murray, H. M. L., 1971, Med. J. Australia, v. 2 (15), 779
control of sheep offal in spread of echinococcosis through dogs to man: Australia

Disease transmission, Food
Nelson, G. S., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 109-122
human behavior in the transmission of parasitic diseases, review

Disease transmission, Food
Niemi, D. R.; and Macy, R. W., 1974, Proc. Helminth. Soc. Washington, v. 41 (2), 223-229
Apophallus donicus, life cycle, morphology, potentially lethal to small salmon and infective to man through fish consumption

Disease transmission, Food
Nitidandhaprabhas, P.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (1), 49-51
fourth reported case of human urinary tract gnathostomiasis, woman with history of eating raw fish passed adult male Gnathostoma spinigerum in urine, probable parasite migration through lung and spinal column to bladder: Thailand

Disease transmission, Food
Nitidandhaprabhas, P.; Hanchansin, S.; and Vongsloesvidhya, Y., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 547-548
living adult male Gnathostoma spinigerum coughed up by Thai woman, probably infected from eating pork, case report: Korat, Thailand

Disease transmission, Food
Obiamiwe, B. A., 1977, Ann. Trop. Med. and Parasitol., v. 71 (1), 35-43
survey, human intestinal parasites in relation to seasonal rainfall, dietary habits, and sanitation: Benin City, Nigeria

Disease transmission, Food
Ossola, A.; et al., 1969, Bol. Chileno Parasitol., v. 24 (3-4), 123-127
Trichinella spiralis outbreak in 31 persons, epidemiologic survey, meat from 3 pigs implicated as source: Mercedes, Chile

Disease transmission, Food
Otsuru, M., 1974, Internat. Med. Found. Japan. Reporting series (4), 49-64
human nematode infections, extensive review on epidemiology, treatment and control measures: Japan

Disease transmission, Food
Perkins, F. O.; Zwerner, D. E.; and Dias, R. K., 1975, J. Parasitol., v. 61 (5), 944-949
Urosporidium spisuli sp. n., hyperparasite of anisakids (pseudocoel) in surf clams, no potential health hazard from ingesting clams since they are temperature treated during commercial processing: vicinity Chesapeake Light, off Cape Henry, Virginia, N. Atlantic Ocean

Disease transmission, Food
Plant, J. W.; Richardson, N.; and Moyle, G. G., 1974, Austral. Vet. J., v. 50 (1), 19-21
Toxoplasma gondii, sheep, contamination of grain by cat feces containing oocysts, examination of cats inhabiting feed shed revealed oocysts

Disease transmission, Food
Potter, M. E.; et al., 1976, Am. J. Pub. Health, v. 66 (12), 1194-1196
Trichinella spiralis, outbreak of trichinosis in 23 of 50 persons who had eaten home-made summer sausage; economic importance of this avoidable infection and need for nationwide program of control of trichinosis in swine: Illinois

Disease transmission, Food
Prathap, K.; Ramachandran, C. P.; and Haug, N., 1968, Med. J. Malaya, v. 23 (2), 92-95
human hepatic and pulmonary porocephaliasis probably of Porocephalus moniliformis origin, lesions discovered accidently at autopsy of Orang Asli Aborigine, probable infection from improperly cooked snake meat: Pahang State, Malaya

Disease transmission, Food
Pupkin, J.; Apt, W.; and Rivera, H., 1967, Bol. Chileno Parasitol., v. 22 (2), 66-68
Cysticercus cellulosae, localization on tongue of pregnant woman, history of eating undercooked pork, case report: Chile

Disease transmission, Food
Reyes, H.; Doren, G.; and Inzunza, E., 1972, Bol. Chileno Parasitol., v. 27 (1-2), 23-29
survey of prevalence of human taeniasis, frequency of infection by different spp., increasing incidence of T. solium suggests consumption of unsanitary pork: Santiago, Chile

Disease transmission, Food
Reyes, H.; Olea, M.; and Hernandez, R., 1972, Bol. Chileno Parasitol., v. 27 (3-4), 115-116
survey of food handlers for intestinal parasites shows 50.5% infection rate: Santiago, Chile

Disease transmission, Food
Saarni, M.; Palva, I.; and Ahrenberg, P., 1977, Lancet, London (8015), v. 1, 806 [Letter]
fish tapeworm, decreasing incidence in Finnish population

Disease transmission, Food
Sagua, H.; et al., 1976, Bol. Chileno Parasitol., v. 31 (1-2), 33
Diphyllobothrium pacificum, case report of infections in 2 persons with history of raw salt water fish consumption: Antofagasta and Mejillones, Chile

Disease transmission, Food
Sapunar, J.; Doerr, E.; and Letonja, T., 1976, Bol. Chileno Parasitol., v. 31 (3-4), 79-83
human anisakiasis, increasing world wide problem with increased use of fish for food, suggested control measures; case report of woman who expelled Anisakis sp. from throat after eating raw fish, elimination of second worm in feces after mebendazole therapy: Santiago, Chile

Disease transmission, Food
Saugrain, J., 1971, Medecine Trop., v. 31 (2), 233-236
filariasis, Angiostrongylus cantonensis, amoebiasis, human parasitic diseases of medical interest and their etiology: French Polynesia

Disease transmission, Food
Schantz, P. M., 1977, Am. J. Epidemiol., v. 106 (5), 370-379
Echinococcus granulosus, extensive epidemiologic survey of increased incidence of echinococcosis among American Indians, source thought to be sheep-dog cycle with infections acquired by dogs eating home-butchered sheep offal: Arizona and New Mexico

Disease transmission, Food
Schantz, P. M.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 121-126
Echinococcus granulosus, extensive epidemiologic survey of American Indians living in recent high echinococcosis endemic area, indications that infection is enzootic with sheep-dog cycle and with transmission furthered by local practice of home butchering and feeding of infected meat to pet dogs: Arizona; New Mexico

Disease transmission, Food
Schantz, P. M.; Juranek, D. D.; and Schultz, M. G., 1977, J. Infect. Dis., v. 136 (5), 712-716
Trichinella spiralis, humans, increased incidence of infections reported in 1975, statistics of epidemiologic study: United States

Disease transmission, Food
Schenone, H.; et al., 1967, Bol. Chileno Parasitol., v. 22 (1), 2-10
Trichinella spiralis, mild outbreak affecting 36 persons, exact etiology unknown but hogs feeding on garbage dump which also had abundant T. spiralis-infected rat population believed to be source: Antofagasta, Chile

Disease transmission, Food
Schenone, H.; et al., 1967, Bol. Chileno Parasitol., v. 22 (1), 32-37
heavy concurrent fatal infection of Trichinella spiralis and Taenia solium in 17-year-old boy with history of eating raw pork, others in family less heavily infected, clinical case report: Santiago, Chile

Disease transmission, Food
Schenone, H.; et al., 1972, Bol. Chileno Parasitol., v. 27 (1-2), 33-36
trichinosis reported in 49 persons who had eaten insufficiently cooked pork, clinical findings, serologic diagnosis: Temuco, Chile

Disease transmission, Food
Schenone, H.; et al., 1972, Bol. Chileno Parasitol., v. 27 (3-4), 103-107
Trichinella spiralis, humans, prevalence survey, evidence of increasing infection: Chile

Disease transmission, Food
Schmitt, N.; et al., 1976, Canad. J. Pub. Health, v. 67 (1), 21-24
increasing use of bear meat for human consumption implicated in potential spread of Trichinella spiralis

Disease transmission, Food
Scholten, T .; Pang, D. ; and Lau, T. S., 1976, Canad. Med. Ass. J., v. 115 (7), 612-613 [Letter]
Taenia solium, 2 case reports of human cysticercosis (one with severe involvement of central nervous system and one with muscle cyst of right forearm), clinical aspects with emphasis on diagnostic awareness and possible control measures: Canada

Disease transmission, Food
Shih, W.-J., 1976, J. Am. Med. Ass., v. 236 (10), 1116
diagnosis of Clonorchis sinensis in man by hepatic scan, history of raw and undercooked fish consumption, resolution of lesions after treatment with gentian violet and chloroquine: Taiwan

Disease transmission, Food
Singal, M.; Schantz, P. M.; and Werner, S. B., 1976, Am. J. Trop. Med. and Hyg., v. 25 (5), 675-681
Trichinella spiralis, report of outbreak in passengers of pleasure cruise, ground beef contaminated by pork implicated as transmission vehicle: luxury liner en route to Alaska

Disease transmission, Food
Slonka, G. F.; et al., 1976, J. Parasitol., v. 62 (2), 221
Trichinella spiralis, survey of mongoose, human, and swine populations, no evidence of infection, human population not at substantial risk of infection due to ingestion of infected pork or mongoose meat: U. S. Virgin Islands

Disease transmission, Food
Stoll, L., 1975, Oeffentl. Gsndhtsw., v. 37 (2), 99-107
human toxoplasmosis, epidemiologic survey of foreign immigrants from Mediterranean areas and comparison with German natives as to occupational exposure, dietary habits and association with cats: West Germany

Disease transmission, Food
Straka, S.; et al., 1977, Ceskoslov. Epidemiol., Mikrobiol., Imunol., v. 26 (1), 52-60
tapeworms, human, epidemiological analysis, geographical distribution, sex, age, social structure, occupation and clinical symptoms; transmission by raw meat, efficacy of anthelmintics: Slovak Socialist Republic

Disease transmission, Food
Supperer, R.; and Leibetseder, J., 1977, Wien. Tierarztl. Monatsschr., v. 64 (6-7), 188-189
Sarcocystis, Toxoplasma, raw meat and slaughtering offals should be cooked to prevent transmission of parasites to dog and cat

Disease transmission, Food
Takahashi, T.; et al., 1975, Nippon Kyobu Shikkan Gakkai Zasshi (Japan. J. Thorac. Diseases), v. 13 (3), 169-173
Paragonimus miyazakii, man with history of having eaten raw fresh water crabs (Potamon dehaani), clinical signs of bilateral pleural effusion and solitary nodular lesion on X-ray, case report: Japan

Disease transmission, Food
Teesdale, C. H., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (2), 165
Schistosoma bovis, spurious infection in humans probably resulting from ingesting infected meat, routine survey shows less than 1% infection rate (eggs in feces): Sudan

Disease transmission, Food
van Thiel, P. H., 1976, Trop. and Geogr. Med., v. 28 (2), 75-85
human anisakiasis, current status, review (diagnosis, treatment, epidemiology, distribution, definitive and intermediate hosts)

Disease transmission, Food
Thompson, R. C. A.; and Smyth, J. D., 1975, Vet. Parasitol., v. 1 (2), 107-127
epidemic proportions of equine hydatidosis, evidence indicates that hunting dogs are major definitive host for equine "strain" of Echinococcus granulosus and that they acquire infection by being fed raw uninspected horse flesh and offal, potential public health implications: Great Britain

Disease transmission, Food
Thornton, H., 1972, Vet. Rec., v. 91 (18), 430-431, 432 [Letter]
public health danger of unsterilized pet food

Disease transmission, Food
Thuraisingam, V.; Tan Ewe Aik, P.; and Sandosham, A. A., 1969, Med. J. Malaya, v. 24 (2), 107-112
presumptive case of gnathostomiasis in Chinese woman probably caused by Gnathostoma spinigerum, history of consumption of raw fish: Malaysia

Disease transmission, Food
Tizard, I. R.; Billett, J. B.; and Ramsden, R. O., 1976, J. Wildlife Dis., v. 12 (3), 322-325
Toxoplasma gondii, antibody prevalence in wild mammals, apparent correlation with host consumption of rodents, possible importance of carnivorism as a route of transmission vs. oocyst-derived infection: Ontario, Canada

Disease transmission, Food
Vasallo Matilla, F., 1971, Med. Trop., Madrid, v. 47 (2), 134-142
Dicrocoelium dendriticum eggs discovered in human feces, infection probably transmitted through contaminated liver of infected animal consumed as food by human: Madrid

Disease transmission, Food
Velasquez, C. C., 1975, J. Parasitol., v. 61 (5), 910-914
Carneophallus brevicaeca comb. n., life cycle, role of Macrobrachium sp. as vector for human infection in areas where raw shrimp are consumed: Philippines

Disease transmission, Food
Verster, A.; Du Plessis, T. A.; and van den Heever, L. W., 1976, Onderstepoort J. Vet. Research, v. 43 (1), 23-26
Taenia solium cysticerci, gamma radiation effects, adverse effect on ability to evaginate in vitro, inhibition of division of neck region cells to form new proglottids in infected guinea pigs; radiation as possible means to render meat fit for human consumption

Disease transmission, Food
Warren, K. S.; and Mahmoud, A. A. F., 1976, J. Infect. Dis., v. 133 (5), 596-601
prevention of malaria, schistosomiasis and other tropical and exotic diseases, advice to travellers

Disease transmission, Food
Widagdo; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 72-74
Angiostrongylus cantonensis male worm removed from eye of woman, some residual visual impairment, history of eating raw vegetables possibly contaminated by snails and of residence in rat-infested area: Semarang, Central Java

Disease transmission, Food
Wiesenhuetter, E., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (3), 445 [Demonstration]
Trypanosoma evansi infection in domestic dogs possibly resulting from consumption of raw meat of infected bovines or wild pigs: Malaysia

Disease transmission, Food
Williams, L. P., jr.; Nelson, C. B.; and Zymet, C. L., 1969, Minnesota Med., v. 52 (7), 1153-1158
Trichinella spiralis outbreak involving 37 persons, infection apparently from consumption of summer sausage all had obtained from local meatpacking source: Minnesota; Iowa

Disease transmission, Food
Willie, S. M.; and Snyder, R. N., 1977, Acta Cytol., v. 21 (1), 101-102
Paragonimus westermanii in man presenting as ulcerated granular mucosa in bronchus, diagnosis using Papanicolaou staining of bronchial washings, probable transmission from eating raw and pickled crayfish when on visit to Korea: California (Korean born)

Disease transmission, Food
Wood, I. J.; Porter, D. D.; and Stephens, W. B., 1975, Med. J. Australia, v. 1 (26), 841
Fasciola hepatica infection in 2 persons who had harvested and eaten wild watercress: Victoria, Australia

Disease transmission, Food
Wood, I. J.; Stephens, W. B.; and Porter, D. D., 1975, Med. J. Australia, v. 2 (22), 829-831
Fasciola hepatica liver infections in husband and wife who had eaten watercress contaminated by cattle, problems in diagnosis solved only by pathology discovered in diagnostic surgery, good responses to emetine and chloroquine therapy: Victoria, Australia

Disease transmission, Food
Yii, C. Y.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 447-454
epidemiologic characteristics of human eosinophilic meningitis and meningoencephalitis probably caused by Angiostrongylus cantonensis being inadvertently ingested during prepreparation of snails for consumption: Taiwan

Disease transmission, Food
Yokogawa, M., 1974, Internat. Med. Found. Japan. Reporting series (4), 137-149
Paragonimus spp. infective to man, epidemiology, geographic distribution, current control measures, mass therapy with bithionol, extensive review

Disease transmission, Food
Zigas, V., 1976, Papua N. Guinea Med. J., v. 19 (4), 225-230
Toxoplasma gondii in humans, epidemiologic survey for prevalence of antibodies, possible correlation with ingestion of raw meat rather than presence of cats: New Britain, Papua New Guinea

Disease transmission, Garbage
Schenone, H.; et al., 1967, Bol. Chileno Parasitol., v. 22 (1), 2-10
Trichinella spiralis, mild outbreak affecting 36 persons, exact etiology unknown but hogs feeding on garbage dump which also had abundant T. spiralis-infected rat population believed to be source: Antofagasta, Chile

Disease transmission, Helminths. See Vectors, Helminths.

Disease transmission, Hirudinea. See Vectors, Hirudinea.

Disease transmission, Imported and exported hosts
Aliu, Y. O., 1975, Nigerian J. Animal Prod., v. 2 (2), 204-211
introduction of cattle trypanosomiasis by Fulani dry season transhumance, proposed solutions: Nigeria

Disease transmission, Imported and exported hosts
Bengis, R. G., 1975, J. South African Vet. Ass., v. 46 (4), 373
Dirofilaria immitis, control, diagnosis, transmission of canine heartworm by imported dogs

Disease transmission, Imported and exported hosts
Christensson, D., 1977, Svensk Vet.-Tidn., v. 29 (12), 521-522
Dirofilaria immitis, Dipetalonema sp., incidence in dogs: Sweden, imported from Singapore, Tanzania, Kenya, Japan, Spain

Disease transmission, Imported and exported hosts
Jackson, W. T., 1963, State Vet. J. (54), v. 18, 220-222
Psoroptes, sheep: shipped from Belfast, Northern Ireland to Birkenhead

Disease transmission, Imported and exported hosts
Kagei, N.; et al., 1976, Bull. Inst. Pub. Health, Tokyo, v. 25 (3), 140-144
Filaroides hirthi, Strongyloides sp., Toxocara canis, and Trichuris vulpis in imported dogs, inability to experimentally infect other dogs with Strongyloides stercoralis of human origin: Japan, imported from U.S.A.

Disease transmission, Imported and exported hosts
Kagei, N.; and Yoshida, M., 1976, Bull. Inst. Pub. Health, Tokyo, v. 25 (2), 82-85
Schistosoma mansoni, review of molluscan hosts in Americas and Africa, possibility of establishment in Japan by importation of African monkeys

Disease transmission, Imported and exported hosts
Keh, B.; and Hawthorne, R. M., 1977, J. Zoo Animal Med., v. 8 (4), 19-24
Hippobosca longipennis on imported Acinonyx jubatus, attempted control with various insecticidal dusts, good results and complete eradication with carbaryl + sulfur; importance of detecting and eliminating future foci of imported H. longipennis: San Pasqual Wild Animal Park, California, imported from East Africa

Disease transmission, Imported and exported hosts
Koerting, W., 1975, Fisch u. Umwelt (1), 81-87
cestodes of fishes imported into Europe from Asia as danger to European pond fishes, life cycles, treatment, review

Disease transmission, Imported and exported hosts
Kolev, V.; et al., 1976, Vet. Med. Nauk., v. 13 (4), 3-12
coccidiosis, incidence in poultry at large poultry dressing combine, birds imported from France and England as possible source of infection, prophylactic measures for better disease control: Ruse, Bulgaria

Disease transmission, Imported and exported hosts
Rajamanickam, C.; et al., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 282 [Demonstration]
Hypoderma sp. causing myiasis in recently imported herd of Santa Gertrudis cattle, treatment and prophylaxis against further spread using coumaphos spray and BHC cream: West Malaysia, imported from U.S.A.

Disease transmission, Imported and exported hosts
Rasin, K., 1973, Vet. Med., Praha, v. 46, v. 18 (10), 619-624
Toxoplasma, incidence in Ondatra shown by complement fixation test and isolation, importance of muskrats as reservoir hosts and migratory carriers: Czechoslovakia

Disease transmission, Imported and exported hosts
Smith, C. F.; and Hooke, F. G., 1976, N. Zealand Vet. J., v. 24 (5), 95-96 [Letter]
Ancylostoma caninum, control measures in colostral infection in dogs, potential problems: imported from Australia to New Zealand

Disease transmission, Imported and exported hosts
Tryphonas, L.; et al., 1977, Canad. J. Comp. Med., v. 41 (1), 1-12
Leishmania donovani, dog, hematological and pathological observations, significance of bone marrow evaluation and electron microscopic examination in diagnosis, potential public health hazard for North America: Canada, imported from Spain

Disease transmission, Insecta. See Vectors, Insecta.

Disease transmission, Intrauterine. See Prenatal infection.

Disease transmission, Lactation
Baer, J. G., 1972, Parassitologia, v. 14 (1), 11-14
helminth larvae, transmission to young mammals by mother's milk, brief review

Disease transmission, Lactation
Brown, R. C.; and Girardeau, M. H. F., 1977, Am. J. Trop. Med. and Hyg., v. 26 (2), 215-219
Strongyloides fuelleborni, Necator americanus, Ancylostoma duodenale, prevalence survey and study of possible transmammary passage, presence of Strongyloides sp. larvae in milk of one nursing mother suggests that S. fuelleborni may be transmitted via milk in humans: Bulape, Zaire

Disease transmission, Lactation
Chauhan, H. V. S.; Dwivedi, P.; and Kalra, D. S., 1974, Haryana Vet., v. 13 (1), 5-21
protozoan and helminth parasites, transmitted through milk to newborn animals, review

Disease transmission, Lactation
Gautam, O. P.; Malik, P. D.; and Singh, D. K., 1976, Current Sc., Bangalore, v. 45 (9), 350-351 [Letter]
Neoascaris vitulorum larvae, transmammary infection, buffalo calves; larvae found in milk and colostrum

Disease transmission, Lactation
Mia, S.; et al., 1975, Trop. Animal Health and Prod., v. 7 (3), 153-156
Toxocara vitulorum, infection of buffalo calves via colostrum

Disease transmission, Lactation
Moncol, D. J., 1975, Proc. Helminth. Soc. Washington, v. 42 (2), 86-92
Strongyloides ransomi, biology and morphology of transcolostral phase in pigs

Disease transmission, Lactation
Moncol, D. J.; and Grice, M. J., 1974, Proc. Helminth. Soc. Washington, v. 41 (1), 1-4
Strongyloides papillosus, goats, sheep (nat. or exper.), transmammary passage

Disease transmission, Lactation
Schmelzle, H. M.; and Stoye, M., 1976, Ztschr. Parasitenk., v. 50 (2), 219-220
Ancylostoma caninum, lactating dogs infected percutaneously, orally or intravenously, chronology and extent of larvae in milk secretion, localization in mammary gland

Disease transmission, Lactation
Setasuban, P., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (4), 608-609
Ancylostoma tubaeforme, demonstration of transmammary transmission in baby mice (exper.); prenatal infection not established

Disease transmission, Lactation
Smith, C. F.; and Hooke, F. G., 1976, N. Zealand Vet. J., v. 24 (5), 95-96 [Letter]
Ancylostoma caninum, control measures in colostral infection in dogs, potential problems: imported from Australia to New Zealand

Disease transmission, Lactation
Stewart, T. B.; Stone, W. M.; and Marti, O. G., 1976, Am. J. Vet. Research, v. 37 (5), 541-544
Strongyloides ransomi, frequency of prenatal and transmammary infection, pigs of sequential litters from dams experimentally exposed as weanlings

Disease transmission, Lactation
Stoye, M., 1976, Deutsche Tierarztl. Wchnschr., v. 83 (3), 107-108
Toxocara canis, beagle dogs infected at conception or parturition, degree of prenatal and lactogenic infection respectively in offspring

Disease transmission, Lactation
Stoye, M.; and Krause, J., 1976, Zentralbl. Vet.-Med., Reihe B, v. 23 (10), 822-839
Ancylostoma caninum, impatently infected lactating ovariectomized dog, reactivation of inhibited larvae, oestradiol and progesterone induced larval excretion in milk

Disease transmission, Lactation
Wilson, P. A. G., 1977, Parasitology, v. 75 (2), 233-239
Strongyloides ratti, rats (exper.), maternal worm burden when weaning is varied in relation to injection, effect of short-term stimulus (only 1 hr suckling) on maternal worm burden, working hypothesis to explain path-finding by migrating worms in lactating rats

Disease transmission, Lactation
Wilson, P. A. G.; Gentle, M.; and Scott, D. S., 1976, Parasitology, v. 72 (3), 355-360
rats, milk-borne infection, Strongyloides ratti (real and important vehicle for infection) vs. Nippostrongylus brasiliensis (possible but quantitatively insignificant)

Disease transmission, Lactation
Wilson, P. A. G.; Gentle, M.; and Scott, D. S., 1976, Parasitology, v. 73 (3), 399-406
Strongyloides ratti, dynamic determinants of route of larval migration in lactating rats; Nippostrongylus brasiliensis, Strongyloides ratti, control of exper. error in quantitative studies of milk transmission of skin-penetrating roundworms

Disease transmission, Man to animal
Wittnich, C., 1976, Canad. Vet. J., v. 17 (10), 259-263
Entamoeba histolytica, dog, clinical and laboratory findings, probable transmission from human, Flagyl, flumethasone, good results: southeastern Quebec

Disease transmission, Man to man
Black, R. E.; et al., 1977, Pediatrics, Am. Acad. Pediat., v. 60 (4), 486-491
Giardia lamblia, severe diarrhea affecting 54% of children in day care center, suggestion of fecal-oral transmission from child to child and from infected children to their families, also possibility of infected fomites, epidemiologic survey: Georgia

Disease transmission, Man to man
Blumenthal, D. S.; Taplin, D.; and Schultz, M. G., 1976, Am. J. Epidemiol., v. 104 (6), 667-672
scabies outbreak in school children, epidemiologic survey: Florida

Disease transmission, Man to man
Bourgoin, P. A.; Rothschild, P.; and Manassero, J., 1974, Nice Med., v. 12 (1), 33-35
late pregnancy toxoplasmosis with infection of both mother and child not diagnosed until after delivery since mother had no antibodies against infection during early pregnancy

Disease transmission, Man to man
Croll, N. A.; and Killick-Kendrick, R., 1971, Tr. Roy. Soc. Trop. Med. and Hyg., v. 65 (5), 688-689 [Letter]
Strongyloides sp. in human sputum, possible epidemiologic importance of spread by promiscuous expectoration: Bristol, United Kingdom

Disease transmission, Man to man
Dahl, O., 1976, Tidsskr. Norske Laegefor., v. 96 (9-10), 551-553
scabies, both typical burrowing and crusted Norwegian type, epidemic among patients and staff of hospital, clinical aspects, treatment methods: Norway

Disease transmission, Man to man
Devlin, H. R.; and Bannatyne, R. M., 1977, Canad. Med. Ass. J., v. 116 (1), 20 [Letter]
Plasmodium vivax malaria in 3-week-old twins, mother treated for malaria prior to and during pregnancy but means of transmission to infants uncertain, successfully treated with chloroquine: Toronto, Canada (mother immigrated from India)

Disease transmission, Man to man
Engel, H. O., 1977, Brit. Med. J. (6087), v. 2, 642
scabies, more of an occupational disease than one of sexual transmission

Disease transmission, Man to man
Fan, P. C.; et al., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (2), 211-222
Wuchereria bancrofti, humans, extensive epidemiologic survey of civilian and military populations of island to establish infection rates and possible means of control of transmission of filariasis from civilians to military troops garrisoned on Kinmen (Quemoy) Islands

Disease transmission, Man to man
Hira, P. R.; and Patel, B. G., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 640-643
Strongyloides fuelleborni rhabditiform larvae and eggs cultured to free living adults obtained from human feces, discussion of differential diagnosis from S. stercoralis, prominent morphologic features, mode of human infections, survey of prevalence in predominantly urban and suburban areas of Zambia

Disease transmission, Man to man
Jacquemin, J. L.; and Le Flohic, A. M., 1975, Nouv. Presse. Med., v. 4 (31), 2271 [Letter]
Strongyloides stercoralis, possible role of public swimming pools in transmission of infection from man to man

Disease transmission, Man to man
Jaskiewicz, W.; and Soroczan, W., 1971, Pediat. Polska, v. 46 (1), 57-61
Enterobius vermicularis infection in children (80%) and personnel (50%) of institution for children with impaired vision, samples of dust and air and bed linens also showed contamination, clinical report: Lublin, Poland

Disease transmission, Man to man
Lopez, C. E.; and Schultz, M. G., 1977, J. Infect. Dis., v. 135 (5), 875-876 [Letter]
incidence of human transfusion malaria and standards for blood donor selection

Disease transmission, Man to man
Menser, M. A.; and Forrest, J. M., 1973, Med. J. Australia, v. 1 (9), 448-452
human toxoplasmosis, effects of maternal infection on developing fetus

Disease transmission, Man to man
Miller, D. A.; and Weg, J. G., 1977, Am. Rev. Resp. Dis., v. 115 (4, pt. 2), 267 [Abstract]
scabies in immunocompromised patient whose infection was masked by pustular psoriasis, epidemic outbreak in personnel caring for patient in intensive care unit, definitive and prophylactic therapy of personnel and contacts with gamma benzene hexachloride lotion: Michigan

Disease transmission, Man to man
Miller, M. J., 1974, Progr. Drug Research, v. 18, 225-237
Entamoeba histolytica, humans, extensive epidemiologic review of human amoebiasis with comparative study of environmental and sociologic factors of 2 Amerindian reservations one of which had a high prevalence of infection and the other none

Disease transmission, Man to man
Mohar, N., 1971, Medicinar, Zagreb, v. 22 (3), 203-207
increasing incidence of scabies occurring in Croatian Republic, epidemiology, suggested control measures

Disease transmission, Man to man
Nitzkin, J. L., 1977, J. Am. Med. Ass., v. 237 (6), 530
human pediculosis capitis, "communicable disease transmissible from person to person, not preventable by even the best of personal hygiene and not related to the cleanliness of the home environment"

Disease transmission, Man to man
Reyes, H.; Olea, M.; and Hernandez, R., 1972, Bol. Chileno Parasitol., v. 27 (3-4), 115-116
survey of food handlers for intestinal parasites shows 50.5% infection rate: Santiago, Chile

Disease transmission, Man to man
Rifkind, D., 1976, National Cancer Inst. Monograph (43), 49-54
Pneumocystis carinii pneumonia in renal transplant patients on immunosuppressive therapy, clinical management with isolation procedures to prevent transmission, differential diagnosis, pentamidine isethionate

Disease transmission, Man to man
Rycroft, R. J. G.; and Calnan, C. D., 1977, Brit. Med. J. (6082), v. 2, 303-304
scabies outbreak among employees of fleet of pleasure crafts and among their families, absence of typical scabietic lesions and burrows complicated diagnosis, year-long epidemic finally contained after treatment with gamma benzene hexachloride lotion: Thames River area, Great Britain

Disease transmission, Man to man
Sholten, T.; Yang, J.; and Palmer, J., 1977, Canad. Med. Ass. J., v. 116 (10), 1114, 1118 [Letter]
survey of human parasitism in an Ontario mental hospital, comparison of statistics of 1970 and 1976, attempted assessment of infection transmission among patients and staff

Disease transmission, Man to man
Slonka, G. F.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (5), 739-743
Pediculus humanus capitis, outbreak in schoolchildren, epidemiology, recommendations for control: Georgia

Disease transmission, Man to man
Spencer, H. C., jr.; et al., 1976, Am. J. Epidemiol., v. 104 (1), 93-99
Entamoeba histolytica, human, endemic area, parasitologic, serologic, and epidemiologic studies, association of infection with crowding and poor sanitation, probable unimportance of water as mode of transmission in this setting, and usefulness of indirect hemagglutination test as an epidemiologic tool: Arkansas

Disease transmission, Man to man
Spencer, H. C.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 628-635
Entamoeba histolytica, epidemiologic statistics of endemic amebiasis in an extended family, two cousins of which had hepatic abscesses, random survey of remainder of community showed little evidence of infection, transmission among extended family members thought to be person to person: Bloomington, Texas and Florida

Disease transmission, Man to man
Vitoux, P., 1975, Medecine Gen., v. 1 (2), 32-35
toxoplasmosis, possible prevention of prenatal infection through diagnostic measures prenuptially and at pregnancy

Disease transmission, Man to man
Wojtynska, H.; Jozwiak, A.; and Worowska-Rogowska, J., 1975, Polski Tygod. Lekar., v. 30 (23), 995-996
incidence of intestinal parasites in children and staff of State Home for Children, attempted eradication unsuccessful: Warsaw

Disease transmission, Man to man
Zaremba, A., 1976, Przegl. Dermat., v. 63 (4), 513-517
Trichomonas vaginalis, humans, problems of transmission in asymptomatic trichomoniasis

Disease transmission, Sewage. See Sewage.

Disease transmission, Soil. [See also Soil]

Disease transmission, Soil
Aftandelians, R.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 64-71
Capillaria aerophila, granulomatous lesion containing worm removed from lung of child presenting with asthmatic symptoms and eosinophilia, treatment with diethylcarbamazine and thiabendazole relieved symptoms, clinical case report, possible transmission through cat-contaminated play area: Teheran, Iran

Disease transmission, Soil
Arfaa, F.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (2), 230-233
Ascaris, Trichostrongylus spp., Ancylostoma duodenale, evaluation of different methods of control of soil transmitted helminths (sanitation measures, mass-therapy, combined mass-therapy and sanitation) in villagers of Khuzestan, southwest Iran

Disease transmission, Soil
Borda, C. E., 1973, Bol. Chileno Parasitol., v. 28 (1-2), 19-23
Necator americanus, epidemiologic survey of island families, favorable conditions of soil in area favor continued development: San Mateo Island, Argentina

Disease transmission, Soil
Burden, D. J.; et al., 1976, J. Hyg., Cambridge, v. 77 (3), 377-382
Trichuris trichiura in humans, soil fumigants applied to contaminated soil of no value in killing parasite ova, eggs on untreated soil had only 20% viability after 18 months; difetarsone equally unsuccessful in treatment of children thought to be source of contaminated soil: Great Britain

Disease transmission, Soil
Frenkel, J. K.; Ruiz, A.; and Chinchilla, M., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 439-443
persistence of viable Toxoplasma gondii oocysts in soil up to 18 months in Kansas and 1 year in Costa Rica, experimentally buried infected cat feces; Musca fly, Armadillium sp., earthworms acted as transport hosts with earthworm possibly also vector as food for birds; seasonal distribution, effects of weather on infectivity

Disease transmission, Soil
Genchi, C., 1976, Arch. Vet. Ital., v. 27 (3-4), 98-99
dog intestinal helminth ova, incidence in soil samples in public parks, potential public health problem: Milan

Disease transmission, Soil
Genchi, C.; and Locatelli, A., 1972, Atti Soc. Ital. Sc. Vet., v. 28, 862-863
dog helminth eggs, contaminated samples from public parks, potential source of infection for humans and domestic animals: Milan

Disease transmission, Soil
Ghadirian, E.; et al., 1976, Canad. J. Pub. Health, v. 67 (6), 495-498
human toxocariasis, prevalence survey of Toxocara spp. and other helminth ova in dogs and soil from city parks, larvae survival over winter months results in continuing contamination of soil and increasing public health problem: Montreal

Disease transmission, Soil
Ghadirian, E.; and Arfaa, F., 1975, Am. J. Trop. Med. and Hyg., v. 24 (6, pt. 1), 935-941
Trichostrongylus spp., man and domestic animals, present status in Iran, means of transmission

Disease transmission, Soil
Hoghooghi, N.; et al., 1973, Pahlavi Med. J., v. 4 (1), 53-60
Ascaris lumbricoides, survey of soil contamination with Ascaris eggs, seasonal variations, possible control with improved sewage management: Isfahan, Iran

Disease transmission, Soil
Huang, C. T.; et al., 1969, Nettai Igaku (Trop. Med.), v. 11 (3), 136-144
epidemiologic survey of post-mortem examinations and fecal specimens from hospital patients for intestinal helminths; incidence of clonorchiasis remains stable due to custom of eating raw fish; soil nematode infections decreasing with improved sanitation: Hong Kong

Disease transmission, Soil
Jacobs, D. E.; et al., 1977, Brit. Med. J., (6052), v. 1, 51
Toxocara canis, results of dog breeding kennel survey suggest that infection "not readily acquired by kennel staff maintaining a reasonable standard of personal hygiene"

Disease transmission, Soil
Khan, S. M.; and Khairul Anuar, A., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 260-264
Ascaris lumbricoides, Trichuris trichiura, hookworms, prevalence survey of soil-transmitted intestinal helminths in patients admitted to the District Hospital in Balik Pulau, Penang, Malaysia

Disease transmission, Soil
Lie, K. J.; Kwo, E. H.; and Ow-Yang, C. K., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (2), 196-200
Ascaris lumbricoides, Trichuris trichiura, Necator americanus, fecal survey for evidence of soil-transmitted helminths in infants and children living near Kuala Lumpur, Malaysia

Disease transmission, Soil
Nozais, J. P.; et al., 1975, Medecine Trop., v. 35 (5), 413-417
Toxoplasma gondii, epidemiologic survey of disease prevalence using indirect immunofluorescence test, infection at early age, probably through ingestion of contaminated soil as a result of poor hygiene habits: Ivory Coast

Disease transmission, Soil
Ollerenshaw, C. B., 1973, Ann. Fac. Med. Vet. Torino, v. 20, Suppl., 83-121
Fasciola hepatica, ecological factors contributing to epidemiology in Britain, speculations for Italy, need for field investigations

Disease transmission, Soil
Otsuru, M., 1974, Internat. Med. Found. Japan. Reporting series (4), 49-64
human nematode infections, extensive review on epidemiology, treatment and control measures: Japan

Disease transmission, Soil
Papasarathorn, T.; et al., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (1), 82-92
human hookworm, epidemiologic survey, relationship of climatic conditions and soil to disease spread, suggested control measures: Soong Nern District, Korat Province, Thailand

Disease transmission, Transplacental. See Prenatal infection.

Disease transmission, Transport hosts. See Vectors, Mechanical.

Disease transmission, Transportation
Bruce-Chwatt, L. J., 1976, Brit. Med. J. (6038), v. 2, 754-755
malarial threat to Seychelles because of increased travel and prospect that infected insects may be sheltered by large size aircraft

Disease transmission, Travel and migration
Adickman, M.; and Tuthill, T. M., 1976, Postgrad. Med., v. 60 (3), 143-148
pulmonary symptoms and eosinophilia associated with human parasitic infections, diagnostic and clinical review, need for increased awareness in travelers to endemic areas, immigrants and military personnel

Disease transmission, Travel and migration
Amy, D.; et al., 1974, Medecine Trop., v. 34 (2), 273-278
Armillifer armillatus resulting in human pentastomiasis, need for diagnostic awareness in non-endemic areas, clinical aspects: France

Disease transmission, Travel and migration
Anand, J. K.; and Mellanby, K., 1976, Brit. Med. J. (6028), v. 2, 174
tourists and immigrants from endemic malarial countries and presence of vector mosquitoes, potential for disease transmission into England increased by hot weather

Disease transmission, Travel and migration
Andrews, J. R. H., 1976, N. Zealand J. Zool., v. 3 (1), 59-67
list of 42 species of parasites of man; animals, particularly domestic animals, major source of infection; parasites introduced by population movement

Disease transmission, Travel and migration
Asch, A. J., 1976, Canad. Med. Ass. J., v. 115 (5), 405-406
increasing incidence of malarial infections due to increased travel to and immigration from endemic areas, emphasis on diagnostic awareness; transplacental infection reported in 3-week-old twins: Toronto

Disease transmission, Travel and migration
Asseburg, U.; et al., 1976, Med. Welt., v. 27 (30), 1421-1424
Leishmania donovani, man, case report of leishmaniasis contracted while vacationing in Mediterranean, clinical aspects, sodium antimony gluconate: Germany

Disease transmission, Travel and migration
Barry, C.; Ahmed, A.; and Khan, A. Q., 1971, Am. J. Trop. Med. and Hyg., v. 20 (4), 592-597
statistics of prevalence and distribution survey of human Wuchereria bancrofti filariasis in East Pakistan, possible sociologic aspects affecting disease transmission

Disease transmission, Travel and migration
Bernstein, R. B., 1977, Am. J. Digest. Dis., v. 22 (4), 391-394
Ascaris lumbricoides, biliary ascariasis in young girl with resulting chronic dilatation of the biliary system, diagnosis using intravenous cholangiography and ERCP radiography, clinical case report with emphasis on need for diagnostic awareness in persons originating from endemic areas: Oakland, California (native of Philippines)

Disease transmission, Travel and migration
Berthoud, S.; Rime, F.; and Buffle, P., 1976, Schweiz. Med. Wchnschr., v. 106 (24), 828-830
hepatic amoebic abscess presenting with systemic symptoms in man who had traveled extensively in tropics, abscess masked by previous treatment of intestinal symptoms with iodoquinolines, diagnosed by liver scan and cured with metronidazole: Switzerland

Disease transmission, Travel and migration
Bevanger, L., 1974, Tidsskr. Norske Laegefor., v. 94 (10), 651-652
single and mixed intestinal parasitic infections in adoptive children from Asiatic areas, need for control measures: Norway

Disease transmission, Travel and migration
Birnbaum, D.; and Werner, H., 1977, Deutsche Med. Wchnschr., v. 102 (39), 1385-1386
Dermatobia hominis, cutaneous myiasis in child presenting as granuloma, larval parasite discovered at surgical excision, clinical case report: Berlin, had travelled in Brazil

Disease transmission, Travel and migration
Birnkrant, M.; Paciuc, B.; and Christopoulos, P., 1973, Jewish Mem. Hosp. Bull., v. 17, 22-31
Echinococcus, case report of human hepatic hydatid cyst with possible secondary cyst of kidney, extensive clinical review: New York City (previously resident of Greece)

Disease transmission, Travel and migration
Boller, K., 1977, Schweiz. Med. Wchnschr., v. 107 (47), 1706-1708
Trypanosoma rhodesiense, fatal infection with central nervous system involvement in man who had just returned from an African safari, clinical case report with emphasis on need for diagnostic awareness of possible tropical diseases in persons returning from endemic areas: Switzerland (had travelled in Rhodesia/Botswana)

Disease transmission, Travel and migration
Brown, D. S.; and Wright, C. A., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 341-342 [Letter]
Schistosoma haematobium in humans, Bulinus truncatus regarded as potential vector on Kano Plain of Kenya with increase of irrigation developments and possible establishment of parasite strains from North Africa and the Middle East

Disease transmission, Travel and migration
Bruce-Chwatt, L. J., 1976, Brit. Med. J. (6038), v. 2, 754-755
malarial threat to Seychelles because of increased travel and prospect that infected insects may be sheltered by large size aircraft

Disease transmission, Travel and migration
Bruce-Chwatt, L. J.; and de Zulueta, J., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (3), 232-240
human malaria, details of eradication program to present stage of certification by WHO as area where malaria has been eradicated, emphasis on need for continued vigilance because of increased travel and imported cases: Portugal

Disease transmission, Travel and migration
de Carneri, I.; and Biasin, G., 1972, Parassitologia, v. 14 (1), 107-108
Necator americanus, human, endemic focus in rural area, local population attributes introduction of parasite to visit by local family to coffee plantation in Sao Paulo, Brazil 39 years earlier: Lusia (Rovigo)

Disease transmission, Travel and migration
Charters, A. D., 1970, Med. J. Australia, v. 2 (20), 919-922
Wuchereria bancrofti filariasis in immigrants living in Western Australia; case reports including woman who experienced chyluria with each of 7 pregnancies; public health importance of increasing immigration from endemic areas

Disease transmission, Travel and migration
Charters, A. D.; et al., 1972, Med. J. Australia, v. 1 (6), 268-271
Loa loa and Acanthocheilonema perstans adult worms recovered from calabar swellings in persons who previously had been employed in Nigeria, public health importance in possible transfer of disease entity from endemic areas: Western Australia

Disease transmission, Travel and migration
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tropical pulmonary eosinophilia in 2 youths who recently migrated into Western Australia, case reports, clinical management, need for awareness of possible disease transmission from endemic areas

Disease transmission, Travel and migration
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statistical review of human malaria infections imported into Western Australia, increasing incidence, drug resistance to commonly used antimalarials in 4 persons

Disease transmission, Travel and migration
Charters, A. D.; Jackson, J. M.; and Vivian, A. B., 1969, Med. J. Australia, v. 2 (6), 299-302
first reported case of schistosomiasis (Schistosoma mansoni) in inhabitant of Western Australia (previously had resided in Africa)

Disease transmission, Travel and migration
Clayton, R. J., 1972, Brit. J. Clin. Pract., v. 26 (2), 91
Leishmania donovani, case report of visceral leishmaniasis contracted by young Englishman while vacationing in Greece: London

Disease transmission, Travel and migration
Coluzzi, A., 1972, Parassitologia, v. 14 (1), 81-84
Plasmodium falciparum, human returned to Italy from trip to Cameroon; necessity for adequate precautions to prevent importation of malaria

Disease transmission, Travel and migration
Coskey, R. J., 1977, Arch. Dermat., Chicago, v. 113 (8), 1130-1131 [Letter]
Clonorchis sinensis as probable cause of urticaria in Oriental woman (parasite eggs in feces) who had just visited Hong Kong, clinical case report: Michigan

Disease transmission, Travel and migration
Cutting, J. W., 1975, Bull. Pan Am. Health Organ., v. 9 (1), 13-18
survey of human intestinal parasites, influence of increased highway construction and environmental changes in area: Yaviza, Panama

Disease transmission, Travel and migration
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Disease transmission, Travel and migration
Dodin, A.; and Charmot, G., 1971, Medecine et Malad. Infect., v. 1 (5-6), 273-276
tropical parasitic pathology related to travel, need for diagnostic awareness, review

Disease transmission, Travel and migration
DuPont, H. L.; et al., 1976, N. England J. Med., v. 295 (27), 1520-1521
Entamoeba histolytica and Giardia lamblia classified as pathogens in survey of Latin American and United States students' susceptibility to travellers' diarrhea; repeated exposure to G. lamblia may not lead to protective immunity as parasite commonly found in symptomatic and asymptomatic persons: Mexico

Disease transmission, Travel and migration
Everett, E. D.; DeVillez, R. L.; and Lewis, C. W., 1977, Arch. Dermat., Chicago, v. 113 (8), 1122
Dermatobia hominis, clinical case reports of cutaneous myiasis in two women after travel to Costa Rica: United States

Disease transmission, Travel and migration
Feichter, G. E.; Buecking, H.; and Moll, A., 1974, Munchen. Med. Wchnschr., v. 116 (47), 2073-2076
Echinococcus cysticus in man, case report of infection affecting brain and heart, need for diagnostic awareness as a result of international migration movements: Italian native living in Germany

Disease transmission, Travel and migration
Fenech, F. F., 1976, J. Trop. Med. and Hyg., v. 79 (4), 85-88
clinical and epidemiologic review of human Leishmania donovani, diagnostic measures, case reports, recommended treatment with sodium stibogluconate, possible transmission during travel to endemic areas of Mediterranean

Disease transmission, Travel and migration
Ferry, A. P., 1977, Am. J. Ophth., Chicago, v. 84 (3), 349-354
cutaneous leishmaniasis of right lower eyelid of man who had earlier resided in area of Mediterranean Sea, diagnosis only after excision of lesion thought to be tumor or cyst, clinical diagnostic review: New York

Disease transmission, Travel and migration
Fitzgerald, E. K., 1976, Canad. J. Pub. Health, v. 67 (6), 479-481
Giardia lamblia, Entamoeba histolytica, study of small tour group for evidence of intestinal parasitism acquired while touring in Russia

Disease transmission, Travel and migration
Fiumara, N., 1973, N. England J. Med., v. 288 (26), 1410-1411 [Letter]
Giardia lamblia outbreak in travellers to Soviet Union and Finland, typical symptoms within 1 week of return, drinking water probably source of infection, metronidazole therapy successful: Boston

Disease transmission, Travel and migration
Germain, P., 1971, Medecine Interne, v. 6 (4), 249-272
diagnosis and clinical aspects of tropical diseases of Africans who have travelled and migrated to non-endemic areas, review

Disease transmission, Travel and migration
Gibson, J. J., jr.; Brodsky, R. E.; and Schultz, M. G., 1974, J. Infect. Dis., v. 130 (5), 553-555
increased incidence of malaria in the United States probably reflects increased foreign travel and improved reporting of infections

Disease transmission, Travel and migration
Giebink, G. S.; et al., 1976, Pediatrics, Am. Acad. Pediat., v. 58 (1), 115-118
pneumonia unresponsive to antibiotics in 2 Vietnamese infant immigrants, Pneumocystis carinii diagnosed by lung biopsy, case reports, probable immune deficiencies, treated with pentamidine isethionate

Disease transmission, Travel and migration
Gill, G. V.; Bell, D. R.; and Reid, H. A., 1977, Brit. Med. J. (6067), v. 1, 1007
Strongyloides stercoralis, long-standing infections in ex-Far East prisoners of war frequently presenting as rash with urticarial eruptions, good response to thiabendazole; similar therapy suggested for persons who have been in tropics and develop typical rash: Liverpool, England

Disease transmission, Travel and migration
Glew, R. H.; et al., 1974, J. Infect. Dis., v. 129 (4), 385-390
Plasmodium falciparum in young girl, strain with resistance to chloroquine, quinacrine, pyrimethamine and chlorguanide, radical cure obtained with pyrimethamine and sulfadiazine in combination; delayed primary attack with Plasmodium vivax: Maryland (had traveled and engaged in field work in remote area of eastern Colombia)

Disease transmission, Travel and migration
Goel, K. M.; et al., 1977, Brit. Med. J. (6062), v. 1, 676-679
intestinal parasite prevalence survey of immigrant children to assess potential for transmissible infections and possible health hazards to indigenous children: Glasgow

Disease transmission, Travel and migration
Goldman, L., 1976, J. Am. Med. Ass., v. 236 (12), 1386
tungiasis reported in group of women who recently traveled to Africa, epidemiology, clinical management: Cincinnati

Disease transmission, Travel and migration
Goldsmith, R.; et al., 1976, J. Am. Med. Ass., v. 235 (19), 2114-2116
survey of enteric parasites isolated from Vietnamese children immigrating by airlift into the United States and their transmission to volunteers caring for refugees: San Francisco

Disease transmission, Travel and migration
Golvan, Y. J., 1971, Medecine et Malad. Infect., v. 1 (1), 23-29
importance of tropical parasites imported into temperate areas through travel and migration, review

Disease transmission, Travel and migration
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Entamoeba histolytica possible contributing factor in travellers' diarrhea in only 6% of 133 persons studied (heat labile toxigenic Escherichia coli responsible for 70%): Mexico

Disease transmission, Travel and migration
Hagen, H., 1973, Med. Welt, v. 24 (18), 751-752
Loa loa, human infection acquired while traveling in Cameroun, case report: Germany

Disease transmission, Travel and migration
Hall, A. P.; Ridley, D. S.; and Thomas, J. R. L., 1976, Brit. Med. J. (6024), v. 1, 1542
pathogenic parasitism discovered in immigrant food handlers, public health implications, hygiene measures implemented by employing food factory: England

Disease transmission, Travel and migration
Hargus, E. P.; et al., 1976, Clin. Pediat., Philadelphia, v. 15 (10), 927-929
fecal survey of elementary school children of Latin American origin for prevalence of intestinal parasites, correlation with length of residency in United States: Hartford, Connecticut

Disease transmission, Travel and migration
Herrer, A.; and Christensen, H. A., 1976, Ann. Trop. Med. and Parasitol., v. 70 (1), 59-65
Leishmania braziliensis, epidemiological description of an outbreak of cutaneous leishmaniasis among a small group of settlers entering the forest to establish a homestead, natural infections found in dogs but not in 41 feral mammals, potential sandfly vectors: Loma de Mercurio, foothills of Cerro Azul, 50 km east of Panama City, Panama

Disease transmission, Travel and migration
Hughes, J. M.; et al., 1975, J. Infect. Dis., v. 132 (3), 336-339
Center for Disease Control survey of human waterborne diseases in the United States during 1973, giardiasis associated with tourists returning from the Soviet Union

Disease transmission, Travel and migration
Imperato, P. J.; et al., 1977, N. York State J. Med., v. 77 (1), 50-56
human parasitic infections, epidemiologic and incidence survey in New York City, decreased incidence of total parasitism but parasites associated with overseas travel and immigration still are prevalent

Disease transmission, Travel and migration
Johnson, R. C.; DeFord, J. W.; and Carlton, P. K., 1977, Postgrad. Med., v. 61 (6), 181-183
Plasmodium falciparum in young man presenting as pancreatitis, clinical case report: Texas, serviceman who had just returned from training mission to central Africa

Disease transmission, Travel and migration
Jokipii, A. M. M.; and Jokipii, L., 1977, Lancet, London (8021), v. 1, 1095-1097
Giardia lamblia in persons returning from endemic areas, prepatency period for infection documented at up to 3 weeks post exposure, need for repeated fecal examinations over that period for accurate diagnosis

Disease transmission, Travel and migration
Jokipii, L.; and Jokipii, A. M. M., 1974, N. England J. Med., v. 291 (18), 978 [Letter]
Giardia lamblia, increasing evidence for implicating Leningrad as a source of giardiasis in travellers from other countries, risk of infection estimated at 1:4

Disease transmission, Travel and migration
Jones, J., 1977, J. Am. Med. Ass., v. 238 (12), 1275-1276
Schistosoma haematobium in Nigerian graduate student, urinary schistosomiasis previously treated as urinary tract infection because of lack of diagnostic awareness of exotic diseases in non-endemic areas, clinical history, successful treatment with niridazole: Lexington, Kentucky

Disease transmission, Travel and migration
Junod, C., 1972, Medecine et Malad. Infect., v. 2 (2), 55-60
intestinal parasites of natives of Antilles now living in France, survey of 500 persons (Strongyloides stercoralis; Necator americanus; Schistosoma mansoni; Trichocephalus; Ascaris; Trichostrongylus; Taenia saginata; Hymenolepis nana; Fasciola hepatica; Entamoeba histolytica (minuta); E. coli; E. hartmanni; Dientamoeba fragilis; Endolimax nana; Pseudolimax; Lamblia; Chilomastix; Enteromonas)

Disease transmission, Travel and migration
Junod, C., 1973, Medecine Interne, v. 8 (2), 133-142
Entamoeba histolytica and other human parasitic diseases imported into non-endemic areas from tropical climates, clinical aspects, prophylaxis and treatment, review

Disease transmission, Travel and migration
van der Kaay, H. J.; Bos, H. J.; and van den Eijk, A. A., 1977, Nederl. Tijdschr. Geneesk., v. 121 (7), 291-293
Entamoeba histolytica in humans, differential diagnosis of imported disease for physicians in non-endemic areas: Netherlands

Disease transmission, Travel and migration
van der Kaay, H. J.; and Zuidema, P. J., 1976, Nederl. Tijdschr. Geneesk., v. 120 (20), 884-886
human Plasmodium spp., recommendations for malaria prophylaxis during travel to endemic areas

Disease transmission, Travel and migration
Kean, B. H.; and Reilly, P. C., jr., 1976, Am. J. Med., v. 61 (2), 159-164
recommendations for diagnosis, prophylaxis and treatment of human malaria with epidemiologic review of recently treated infections in persons who had travelled or lived in endemic areas: New York City

Disease transmission, Travel and migration
van Knapen, F.; Ruitenberg, E. J.; and Panggabean, S. O., 1976, Nederl. Tijdschr. Geneesk., v. 120 (29), 1264-1265
Echinococcus granulosus, epidemiology, survey of incidence in Netherlanders and immigrants

Disease transmission, Travel and migration
Knuettgen, H. J., 1976, Immun. u. Infekt., v. 4 (4), 149-155
malaria in patients returning from tropical and subtropical countries, increase in number of cases, outline of established methods of chemotherapy, need for early diagnosis and treatment: Germany

Disease transmission, Travel and migration
Kociecka, W.; Lisowska, M.; and Gerwel, M., 1974, Polski Tygod. Lekar., v. 29 (28), 1219-1220
Giardia intestinalis, outbreak of giardiasis in tourist group who had travelled to Lebanon and Syria, water supply of hotel thought to be source of infection: Poland

Disease transmission, Travel and migration
Lamy, C.; et al., 1976, Nouv. Presse Med., v. 5 (15), 1005-1006 [Letter]
intestinal distomiasis in man who had recently traveled to Japan and eaten raw fish and aquatic plants, clinical case report, relief of symptoms with niclosamide: Caen, France

Disease transmission, Travel and migration
Laurens, A.; et al., 1973, Medecine et Armees, v. 1 (3), 61-63
leishmaniasis, case report of kala-azar in French youth who had lived briefly in Africa

Disease transmission, Travel and migration
Lin, C. S.; and Schwartz, I. S., 1976, N. York State J. Med., v. 76 (4), 574-578
human invasive amoebiasis, clinical case review of recent cases diagnosed in non-endemic area, need for prompt diagnosis and treatment: New York City

Disease transmission, Travel and migration
Macdonld, D. L., 1976, N. Zealand Med. J. (566), v. 83, 447-448
asymptomatic carriers of Entamoeba histolytica, possible role in disease transmission and need for detection to prevent infection spread

Disease transmission, Travel and migration
Mackenzie, C. J. G.; and Wyatt, G., 1976, J. Am. Med. Ass., v. 236 (10), 1114-1115
recommendations for physicians in temperate zones regarding chloroquine prophylaxis for travelers in endemic malarial areas

Disease transmission, Travel and migration
Mahmoud, A. A. F.; and Warren, K. S., 1976, J. Infect. Dis., v. 133 (4), 487-491
human African trypanosomiasis, diagnosis and management, epidemiology, travelers to Africa, review

Disease transmission, Travel and migration
Mantell, C. A.; and Yoeli, M., 1975, N. York State J. Med., v. 75 (1), 39-41
intestinal parasitologic investigation of patients under office or hospital care for gastrointestinal disorders, importance of microscopic stool examination because of continued travel to tropical areas and the fact that autochthonous endemic areas can exist in hygiene conscious temperate zones: New York

Disease transmission, Travel and migration
Maulitz, R. M.; Marr, J. S.; and Shookhoff, H. B., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 1-4
Plasmodium malariae, human, 2 cases of transfusion-induced malaria, donors were Greek immigrants with latent infection who responded to special blood drives as result of 1974 Turkish-Greek war on Cyprus, need for alertness when natural or man-made disasters result in demographically unusual and large drives to collect blood: New York City

Disease transmission, Travel and migration
Merson, M. H.; et al., 1976, N. England J. Med., v. 294 (24), 1299-1305
Giardia lamblia and Entamoeba histolytica, very low incidence, possible cause of diarrhea in survey of large group traveling in Mexico

Disease transmission, Travel and migration
Meuwissen, J. H. E. T.; v. Tongeren, J. H. M.; and Werkman, H. P. T., 1977, Lancet, London (8027), v. 2, 32-33 [Letter]
human giardiasis, routine fecal examination of patients with abdominal complaints disclosed that presence of infection was not necessarily related to travel in endemic areas as previously had been reported: the Netherlands

Disease transmission, Travel and migration
Miles, M. A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 521-522
Chagas disease, man's role in propagation of infection, habits of temporary residence of rural population in endemic area, possible impact of such temporary movements on dissemination of triatomine bugs and Chagas disease: Brazil

Disease transmission, Travel and migration
Miller, L. H., 1976, J. Infect. Dis., v. 133 (6), 727 [Letter]
Plasmodium malariae, human transfusion malaria, rules for donor selection should be re-evaluated every few years after evaluation of epidemiologic and public health surveillence data, including that pertaining to immigrant blood donors: United States

Disease transmission, Travel and migration
Nakabayashi, T.; et al., 1976, J. Trop. Med. and Hyg., v. 79 (11), 247-251
human malaria, statistical survey of cases imported into Japan from 1972-1974

Disease transmission, Travel and migration
Nelson, G. S., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 109-122
human behavior in the transmission of parasitic diseases, review

Disease transmission, Travel and migration
Nitsche, W., 1973, Munchen. Med. Wchnschr., v. 115 (5), 141-146
Trichinella spiralis in humans, dangers of being infected during journeys to areas without meat inspection laws, control through prophylaxis: Germany

Disease transmission, Travel and migration
Ough, R. N., 1976, Canad. Med. Ass. J., v. 115 (12), 1196 [Letter]
Plasmodium vivax, increasing incidence of malaria imported into non-endemic areas, case reports, need for differential diagnostic awareness: British Columbia, Canada

Disease transmission, Travel and migration
Paine, T. F., jr.; and Gluck, F. W., 1976, J. Am. Med. Ass., v. 236 (21), 2425-2426
Giardia lamblia, woman, severe debilitating diarrhea, diagnostic problems, relationship to foreign travel, metronidazole, quinacrine, or furazolidone: Tennessee

Disease transmission, Travel and migration
Palmer, A., 1976, Brit. J. Clin. Pract., v. 30 (1), 19-20
Plasmodium vivax, increased incidence of malaria with increased travel, implications if associated with pregnancy, need for diagnostic awareness: United Kingdom

Disease transmission, Travel and migration
Parry, M. F.; et al., 1977, J. Am. Med. Ass., v. 238 (12), 1282-1283
Babesia microti, clinical case report in man who had visited Montauk, New York areas, chloroquine therapy successful: Stamford, Connecticut

Disease transmission, Travel and migration
Partono, F.; et al., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (4), 484-486
epidemiologic survey in South Sulawesi for human malarias and filariasis conducted 8 and 22 months after arrival of transmigrants from Central Java showed decreased incidence of malaria and increased filariasis, discussion of associated problems and effects on populace: Indonesia

Disease transmission, Travel and migration
Pernet, A., 1976, Schweiz. Med. Wchnschr., v. 106 (44), 1503-1510
schistosomiasis, Swiss citizens who had lived in endemic areas, clinical review, pathology, epidemiology, immunity, diagnosis by biopsy most useful: Geneva

Disease transmission, Travel and migration
Peters, H., 1971, Munchen. Med. Wchnschr., v. 113 (12), 425-431
survey of Nordbaden area for frequency of intestinal parasites, incidence in natives compared to that in immigrant workers: Germany

Disease transmission, Travel and migration
Peters, M.; Frenzel, H.; and Kade, H., 1973, Med. Klin., Berlin, v. 68 (39), 1255-1261
Clonorchis sinensis, clinical case reports, epidemiology, pathology, jonit: Germany (immigrants from oriental countries)

Disease transmission, Travel and migration
Powell, R. D., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 181-183
diagnosis established in clinically ill woman with symptoms of malaria but with persistently negative blood smears when parasites were detected in lupus erythematosus cell preparation: Iowa (had just returned from 3 month visit to Zaire)

Disease transmission, Travel and migration
Radford, A. J.; Van Leeuwen, H.; and Christian, S. H., 1976, Ann. Trop. Med. and Parasitol., v. 70 (1), 11-23
changes in distribution and determinants of malaria that occurred with the development process in the highlands of Papua New Guinea between 1930 and 1970

Disease transmission, Travel and migration
Reyes, H.; and Lemus, J., 1972, Bol. Chileno Parasitol., v. 27 (1-2), 40-42
Dermatobia hominis, immature larva extracted from nodule in paraumbilical region of woman, case report: Chile (had resided in endemic area of Paraguay)

Disease transmission, Travel and migration
Ricciardi, M. L., 1972, Parassitologia, v. 14 (2-3), 347-351
survey of human intestinal parasites, comparison between Bantu and immigrated Europeans living on same farm, differences due to environmental, hygienic and dietary conditions: district of Lobaye

Disease transmission, Travel and migration
Robinson, M. J.; and Eykyn, S., 1977, Brit. Med. J. (6103), v. 2, 1667 [Letter]
childhood malaria, increasing incidence with increased travel to and from endemic areas, diagnostic problem in children: United Kingdom

Disease transmission, Travel and migration
Rutter, N., 1977, Brit. Med. J. (6098), v. 2, 1335-1336
malaria infections in children born and living in non-malarious areas who have contracted infections upon visiting malarious areas with their immigrant parents who possibly have some natural immunity to malaria although their children do not, importance of diagnostic awareness: Nottingham, England

Disease transmission, Travel and migration
Sawyer, D. M.; and Wadsworth, L. D., 1977, Canad. Med. Ass. J., v. 117 (8), 923
Plasmodium ovale in woman who had received recent blood transfusion, donor of blood had travelled earlier to Africa in the company of another person who had had 3 clinical attacks of malaria, clinical case report, emphasis on diagnostic awareness: Canada

Disease transmission, Travel and migration
Scharfman, W. B.; and Taft, E. G., 1977, J. Am. Med. Ass., v. 238 (12), 1281-1282
human babesiosis (Nantucket fever), case report of infection in adult woman after summer visit to Nantucket Island, diagnosis, therapy with chloroquine: Albany, New York

Disease transmission, Travel and migration
Scholten, T., 1976, Canad. Med. Ass. J., v. 115 (6), 491-492
Rhipicephalus pulchellus found embedded in skin of shoulder of woman who had recently returned from visiting Kenya and Tanzania and while there had had close contact with cattle: Canada

Disease transmission, Travel and migration
Scholten, T.; et al., 1977, Canad. Med. Ass. J., v. 117 (4), 368-369
Leishmania braziliensis, Cuterebra sp., Tunga penetrans, humans, case reports of the Canadian Public Health Laboratory, thought to occur during travel outside Canada or through contact with pet animals

Disease transmission, Travel and migration
Schultz, M. G., 1977, Postgrad. Med., v. 62 (2), 121-125
human parasitism resulting from increased travel to tropical areas, economic importance, control measures, prophylactic drugs available, diagnostic awareness, review

Disease transmission, Travel and migration
Seah, S. K. K., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (4), 534-542
intestinal parasites, persons living in non-endemic areas who acquired infections while travelling or who has immigrated from endemic areas, pyrantel pamoate successful for Ascaris lumbricoides, results with other parasites varied: Montreal, Canada

Disease transmission, Travel and migration
Shaw, P. K.; Brodsky, R. E.; and Schultz, M. G., 1976, J. Infect. Dis., v. 133 (1), 95-101
malaria surveillance, statistics for 1974, increasing incidence with increasing international travel: United States

Disease transmission, Travel and migration
Singal, M.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 1-9
Plasmodium vivax, outbreak of introduced (Punjabi immigrants to agricultural area) malaria with likelihood of secondary transmission, coincidentally high numbers of Anopheles freeborni (effective P. vivax vectors) in transmission area: California

Disease transmission, Travel and migration
Singal, M.; Schantz, P. M.; and Werner, S. B., 1976, Am. J. Trop. Med. and Hyg., v. 25 (5), 675-681
Trichinella spiralis, report of outbreak in passengers of pleasure cruise, ground beef contaminated by pork implicated as transmission vehicle: luxury liner en route to Alaska

Disease transmission, Travel and migration
Smit, A. M.; and Zuidema, P. J., 1973, Nederl. Tijdschr. Geneesk., v. 117 (33), 1225-1230
Onchocerca volvulus in European travelers to West or Central Africa, presentation mainly as a skin disease, 100 case reports, diethylcarbamazine drug of choice with follow-up of suramine if needed: Netherlands

Disease transmission, Travel and migration
Stadaas, J. O.; Nordshus, T.; and Bugge-Asperheim, B., 1976, Tidsskr. Norske Laegefor., v. 96 (15), 879-881
Taenia echinococcus in humans, case reports, diagnosis using ultrasound, expected increased incidence due to increased immigration: Norway

Disease transmission, Travel and migration
Sterner, G.; Lantorp, K.; and Likman, K., 1971, Nord. Med., Stockholm, v. 86 (46), 1343-1346
Giardia lamblia, fecal survey of patients in local hospital revealed 58 persons excreting Giardia in stools, most were recently adopted foreign children and travellers to other countries, clinical management, metronidazole: Danderyd, Sweden

Disease transmission, Travel and migration
Stoll, L., 1975, Oeffentl. Gsndhtsw., v. 37 (2), 99-107
human toxoplasmosis, epidemiologic survey of foreign immigrants from Mediterranean areas and comparison with German natives as to occupational exposure, dietary habits and association with cats: West Germany

Disease transmission, Travel and migration
Stotka, V. L., 1975, North Carolina Med. J., v. 36 (10), 607-611
Entamoeba histolytica, hepatic abscesses in Vietnam veterans, diagnostic difficulties, clinical aspects: North Carolina

Disease transmission, Travel and migration
Stuerchler, D.; and Degremont, A., 1976, Schweiz. Med. Wchnschr., v. 106 (20), 682-688
extensive diagnostic and clinical review of filarial parasites frequently encountered by travelers to endemic tropical areas: Switzerland

Disease transmission, Travel and migration
Sundhaussen, G.; Denk, R.; and Korting, G. W., 1972, Med. Welt, v. 23 (3), 75-76
Cordylobia anthropophaga causing furuncle-like myiasis, Dutch student who had traveled in Cameroons, case report: Germany

Disease transmission, Travel and migration
Thomas, J.; et al., 1969, Marseille Med., v. 106 (9), 717-721
larva migrans, human infection, successful treatment with thiabendazole: France (had returned from Africa)

Disease transmission, Travel and migration
Thompson, R. G.; et al., 1977, Brit. Med. J. (6074), v. 1, 1468 [Letter]
human malaria, increasing number of infections seen in travelers returning from endemic areas, suggested prophylactic measures: United Kingdom

Disease transmission, Travel and migration
Voegtle-Junkert, U., 1975, Med. Klin., Berlin, v. 70 (47), 1920-1927
survey of helminth and protozoan parasites of foreign workers and comparison with findings in German citizens, review of symptoms and clinical management and prophylactic measures: Wurzburg

Disease transmission, Travel and migration
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Giardia lamblia outbreak in travellers to Soviet Union and Finland, typical symptoms within 1 week of return, drinking water probably source of infection, metronidazole therapy successful: Boston

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Disease transmission, Water
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Schistosoma mansoni, epidemiologic survey of 593 persons showed 4.7% infection rate with children most involved, main contamination area apparently ball field surrounded by ditches containing Biomphalaria glabrata vectors, preventive and control measures: Albina, Surinam

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limax amoebae in public swimming pools, concentration, correlations, and public health significance, preliminary tests for the human pathogen Naegleria fowleri were inconclusive: Albany, Schenectady, and Rensselaer counties, New York

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cercaria of Trichobilharzia brevis as possible cause of schistosome dermatitis affecting rice field workers

Disease transmission, Water
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Naegleria fowleri in man with resulting meningoencephalitis, case report, history of swimming in natural thermal pool, fatal illness: New Zealand

Disease transmission, Water
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Disease transmission, Water
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Schistosoma haematobium, development and verification of schistosomiasis transmission model to predict impact of water resource projects on human transmission using data from 54 villages in Khuzestan Province, Iran

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possible transmission of human Trichomonas vaginalis through contaminated sea water swimming pools: Yugoslavia

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Disease transmission, Water
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Schistosoma mansoni, outbreak of infection in expatriate European community, source of infection traced to swimming in highland pools, disease diagnosed during early acute stage, treatment with stibocaptate unsuccessful, results of 2nd course of treatment with niridazole yet to be reported: Jebel Marra area, Darfur Province, Western Sudan

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Disease transmission, Water
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Giardia lamblia, communitywide outbreak of human giardiasis with incrimination of public water supply as source of contamination, possibility of water supply contaminated by human waste; cyst found in water supply and dogs experimentally infected with samples of raw water from the city reservoir: Rome, New York

Disease transmission, Water
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Trichobilharzia [sp.], cercariae shed from Austropeplea ollula implicated as cause of dermatitis in paddy field workers after similar infection experimentally proven with humans: Saitama Prefecture, Japan

Disease transmission, Water
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Disease transmission, Water
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Myxosoma cerebralis-infected external opercular cysts in Salmo clarki henshawii raised in Myxosoma-contaminated water, cyst rupture could provide means of disease transmission from live naturally infected fish

Disease transmission, Water
Tchoulamjan, A.; et al., 1977, Prensa Med. Argent., v. 64 (5), 125-138
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Disease transmission, Water
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Pneumocystis carinii, human interstitial plasma cell pneumonia, inadequate sterilization of water in oxygen vaporizers as cause of disease spread in hospital settings: Hungary

Disease transmission, Water
Upatham, E. S., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (6), 884-885 [Letter]
Schistosoma mansoni, infectivity of cercariae after passing over a waterfall, some did survive passage but risk of infection for people bathing or swimming below a waterfall is reduced significantly: St. Lucia

Disease transmission, Water
Upatham, E. S., 1974, Ann. Trop. Med. and Parasitol., v. 68 (3), 343-352
Schistosoma mansoni cercariae, dispersion in natural standing and running waters determined by cercaria counts and mouse exposure: St. Lucia

Disease transmission, Water
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Disease transmission, Water
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prevention of malaria, schistosomiasis and other tropical and exotic diseases, advice to travellers

Disease transmission, Water
Wilkins, H. A., 1977, Ann. Trop. Med. and Parasitol., v. 71 (1), 53-58
human Schistosoma haematobium, statistics of epidemiologic survey for prevalence and intensity of infection in native community in laterite plateau area of McCarthy Island Division, The Gambia

Disease transmission, Water
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Naegleria fowleri, isolation from artificially heated water (thermal-discharge water of electric power stations): Florida

Disease transmission, Water
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Giardia lamblia in humans, survey, drinking untreated mountain water important cause of endemic infection in Colorado

Distribution in host. See Localization.

Diurnal rhythms. See Periodicity.

Drug resistance. See Resistance, Drug.

Drugs, Mode of action
Al Chalabi, K.; and Gutteridge, W. E., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 146 [Abstract]
Trypanosoma spp., Crithidia fasciculata, C. oncopelti, thymidine phosphorylase activity, salvage pathways, inhibition of activity by suramin and ethidium

Drugs, Mode of action
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Drugs, Mode of action
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Drugs, Mode of action
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Drugs, Mode of action
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Drugs, Mode of action
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Ichthyophthirius multifiliis, influence of copper sulphate, malachite green, methylene blue, trypan blue and Neguvon on development

Drugs, Mode of action
Apt, W., 1970, Bol. Chileno Parasitol., v. 25 (1-2), 65-68
Toxoplasma gondii, criteria for treating humans with pyrimethamine and sulfa drugs, pharmacologic action, treatment of toxic side effects with folinic acid, recommendation for prophylactic treatment of newborn infants exposed to infection

Drugs, Mode of action
Arzneimittel-Forsch., v. 26 (4a), 1976, 595-678
sulfamoxole in combination with trimethoprim, multiple articles testing pharmacological properties, efficacy in parasitic and bacterial infections and possible toxicity

Drugs, Mode of action
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Drugs, Mode of action
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Drugs, Mode of action
Benard, J.; and Riou, G. F., 1975, J. Protozool., v. 22 (3), 75A-76A [Abstract]
T[rypanosoma] spp., ellipticine derivatives, mode of action

Drugs, Mode of action
Benard, J.; and Riou, G., 1977, Biochem. and Biophys. Research Commun., v. 77 (4), 1189-1195
Trypanosoma cruzi, 9-hydroxy ellipticine and ethidium bromide inhibit the transcription of kinetoplast DNA by E. coli RNA polymerase

Drugs, Mode of action
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Drugs, Mode of action
Binnington, K. C.; and Rice, M. J., 1977, J. Austral. Entom., v. 16 (1), 80
Boophilus microplus, BTS-27271, rapid transient increase of spike frequency in a coxal nerve, increased motor activity following treatment linked with tendency of tick to detach from host

Drugs, Mode of action
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Trypanosoma equiperdum, mice (exper.), urethane, inhibition of trypanosome growth, underlying mechanism appears to be a reversible block of parasites' nucleic acid synthesis either by a metabolite of urethane, or by a factor induced by it in vivo; T. equiperdum appears to be suitable model for further studies on mitosis-inhibiting action of urethane

Drugs, Mode of action
Bout, D.; et al., 1977, J. Immunol. Methods, v. 15 (1), 1-8
S[chistosoma] mansoni, schistosomicide drugs used as ligands to isolate target antigens by affinity chromatography, to characterize their enzyme functions and localization on the parasite, and to define their immunogenic capacity

Drugs, Mode of action
Borgers, M.; et al., 1975, J. Parasitol., v. 61 (5), 830-843
Taenia taeniaeformis, mice, parenteral treatment with mebendazole, progressive micromorphological changes in cysticerci confined to absorptive compartment of larvae (tegument and tegumental cells), primary interference with microtubular system

Drugs, Mode of action
Boveris, A.; and Stoppani, A. O. M., 1977, Experientia, v. 33 (10), 1306-1308
Trypanosoma cruzi, generation of hydrogen peroxide by epimastigotes and fractions, superoxide dismutase activity in epimastigote homogenates, possible application of findings to search for trypanocidal drugs

Drugs, Mode of action
Brack, C., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 269-270 [Abstract]
Trypanosoma cruzi, electron microscopic localization of binding sites of Escherichia coli RNA polymerase on circular kinetoplast DNA of T. cruzi, probable action of berenil on synthesis of RNA primers

Drugs, Mode of action
Brodie, R. R.; et al., 1977, Arzneimittel-Forsch., v. 27 (3), 593-598
^{14}C-labelled ciclobendazole as anthelminthic, rats and dogs, retention and secretion of radioactivity as measure of localization, retention, metabolism and secretion of drug

Drugs, Mode of action
Buck, W. B.; Osweiler, G. D.; and Van Gelder, G. A., 1976, Clinical and diagnostic veterinary toxicology, 2. ed., 380 pp., illus.
phenothiazine, toxicity, mode of action

Drugs, Mode of action
Bueding, E.; Batzinger, R.; and Petterson, G., 1976, Experientia, v. 32 (5), 604-606
Schistosoma mansoni, S. japonicum, various strains in mice, 4-isothiocyanato-4'-nitrodiphenylamine (C9333-Go/CGP4540), antischistosomal activity increased by reducing particle size, susceptibility varies with age of parasite, hepatic shift after oral administration of curative dose, mutagenic potential of low order

Drugs, Mode of action
Campbell, W. C., 1977, Proc. Helminth. Soc. Washington, v. 44 (1), 17-28
parasite control, man and livestock, role of drugs with emphasis on mode of action and methods of searching for new drugs

Drugs, Mode of action
Cardoni, R. L.; Rimoldi, M. T.; and de Bracco, M. M. E., 1977, Exper. Parasitol., v. 43 (2), 370-375
Trypanosoma cruzi, mice, nifurtimox, protective effect not exerted solely by direct trypanocidal action

Drugs, Mode of action
Carosi, G., 1977, Exper. Parasitol., v. 43 (2), 315-325
Trichomonas vaginalis, in vitro action of tinidazole, ultrastructural changes

Drugs, Mode of action
Cenedella, R. J.; and Saxe, L. H., 1971, Am. J. Trop. Med. and Hyg., v. 20 (4), 530-534
attempted evaluation of extent to which DDS inhibits glucose utilization by parasite in Plasmodium berghei infected mice, partial reversal of antimalarial activity of drug by induced hyperglycemia in host

Drugs, Mode of action
Chakraborty, A. K.; Mehta, R. K.; and Datta, I. C., 1976, Indian J. Exper. Biol., v. 14 (5), 585-587
Ascaridia galli, tetramisole, carbohydrate utilization, neuro-transmission, enzymatic activity

Drugs, Mode of action
Chapman, H. D., 1976, Vet. Parasitol., v. 1 (4), 299-308
Eimeria tenella, delayed treatment used to study mode of action of 7 anticoccidial drugs in the chicken and chicken embryo

Drugs, Mode of action
Chatfield, D. H., 1976, Xenobiotica, v. 6 (8), 509-520
nitrofurylthiazoles, absorption, tissue distribution, metabolism, and excretion in rats and mice

Drugs, Mode of action
Cheng, T. C., 1977, Proc. Helminth. Soc. Washington, v. 44 (1), 2-17
uptake mechanisms and metabolic interference in parasites in relation to chemotherapy, review

Drugs, Mode of action
Chiodini, P. L., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 27-28 [Demonstration]
Babesia canis, in vitro culture; B. rodhaini and B. divergens in leucocyte-free dilution cultures, effect of imidocarb on leucine and adenosine incorporation, possible use of system for in vitro screening of potential babesicides and also for mode of action studies

Drugs, Mode of action
Clarkson, A. B., jr.; and Brohn, F. H., 1976, Science (4261), v. 194, 204-206
Trypanosoma brucei brucei, T. brucei rhodesiense, mice, salicyl hydroxamic acid + glycerol block glucose catabolism of the parasite and it is rapidly destroyed but parasitemia recurs after treatment, with modification may be new approach to trypanosome chemotherapy

Drugs, Mode of action
Cockrell, B. Y.; Hall, B. V.; and Simon, J., 1972, Am. J. Vet. Research, v. 33 (4), 687-698
dichlorvos and toluene-dichlorophen, induce changes in ultrastructure of beagle liver parenchymal cells, may reduce efficacy of drugs administered later

Drugs, Mode of action
Coles, G. C.; East, J. M.; and Jenkins, S. N., 1975, Gen. Pharmacol., v. 6 (4), 309-313
Nippostrongylus brasiliensis, Ascaris lumbricoides var. suum, levamisole, mechanism of action, paralysis and recovery of motility, resistance of recovered worms to paralysis by methyridine, pyrantel, or bephenium, results suggest levamisole acts as ganglion stimulant and that inhibition of fumarate reductase is not relevant to in vivo mode of action

Drugs, Mode of action
Conklin, K. A.; and Chou, S. C., 1970, Science (3963), v. 170, 1213-1214
4 antimalarials, effects on in vitro and in vivo protein synthesis, results indicate primary effect is inhibition of amino acid uptake rather than direct inhibition of protein synthesis

Drugs, Mode of action
Constanti, A.; and Nistri, A., 1976, Brit. J. Pharmacol., v. 57 (3), 347-358
quantitative comparative study of the effects of piperazine and γ-aminobutyric acid on lobster muscle fibers and frog spinal cord to determine whether piperazine has central neuronal depressant actions on parasites

Drugs, Mode of action
Coombs, G. H., 1973, J. Protozool., v. 20 (4), 524
Flagyl, biochemical mode of action, explanation of selective toxicity for anaerobic organisms

Drugs, Mode of action
Cornish, R. A.; et al., 1977, Internat. J. Parasitol., v. 7 (3), 217-220
Fasciola hepatica, in vivo effects of rafoxanide on energy metabolism

Drugs, Mode of action
Damper, D.; and Patton, C. L., 1976, Biochem. Pharmacol., v. 25 (3), 271-276
Trypanosoma brucei, pentamidine transport, kinetics, specificity (competitive inhibition by other trypanocidal aromatic diamidines), structural specificity in relationship to varying drug affinities for transport site and possible role in drug cross-resistance

Drugs, Mode of action
Dave, D.; Gutteridge, W. E.; and Richards, W. H. G., 1976, Parasitology, v. 73 (2), xvii [Abstract]
Plasmodium spp., conversion of dihydroorotate to orotate, activities were irreversible, required O_2, and were inhibited by CN^- and Antimycin A, no involvement of reduced pteridines or pyridine nucleotides detected, this area of metabolism may be important site for selective drug action

Drugs, Mode of action
Davidson, M. W.; et al., 1977, J. Med. Chem., v. 20 (9), 1117-1122
antimalarial action of quinolinemethanolamines as mefloquine, quinacrine, chloroquine and quinine does not involve interaction with DNA, reported results from laboratory study

Drugs, Mode of action
Davies, E. E.; Howells, R. E.; and Peters, W., 1971, Ann. Trop. Med. and Parasitol., v. 65 (4), 461-464
Plasmodium berghei oocysts after exposure to primaquine, no changes in morphology of mitochondria (as opposed to erythrocytic stages), possible reasons for insensitivity of oocyst to primaquine

Drugs, Mode of action
Davies, E. E.; Warhurst, D. C.; and Peters, W., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 4-5 [Demonstration]
Plasmodium berghei, ultrastructural changes after treatment with quinine or WR 122,455

Drugs, Mode of action
Davies, E. E.; Warhurst, D. C; and Peters, W., 1975, Ann. Trop. Med. and Parasitol., v. 69 (2), 147-153
Plasmodium berghei berghei in mice, fine structural changes following treatment with quinine or WR 122,455, relationship of changes to drug mode of action

Drugs, Mode of action
Denham, D. A.; and Holdsworth, R. J., 1971, Tr. Roy. Soc. Trop. Med. and Hyg., v. 65 (5), 696
action of metrifonate on Schistosoma mansoni and S. haematobium in vitro, powerful but reversible paralysing effect on adult schistosomes apparently affected by anatomical sites in which parasites live

Drugs, Mode of action
Desowitz, R. S., 1965, Med. J. Malaya, v. 20 (1), 52-53
oxygen consumption of Plasmodium berghei in presence of normal or immune rat serum and chloroquine, possible usefulness in drug screening and determination of drug-serum clearance rates

Drugs, Mode of action
Dewey, V. C.; and Kidder, G. W., 1973, J. Protozool., v. 20 (5), 678-682
Trypanosoma cruzi, growth inhibition by allopurinol, both purines and pyrimidines required for reversal, actual inhibitor is allopurinol ribotide (not free base) acting on orotidine 5'-phosphate decarboxylase

Drugs, Mode of action
Docampo, R.; et al., 1977, Exper. Parasitol., v. 42 (1), 142-149
Trypanosoma cruzi epimastigotes, ultrastructural and metabolic alterations caused by β-lapachone

Drugs, Mode of action
Docampo, R.; de Boiso, J. F.; and Stoppani, A. O. M., 1974, Medicina, Buenos Aires, v. 34 (5), 525-531
action of ethidium bromide on Trypanosoma cruzi metabolism (damage to kinetoplast DNA; reduced respiration; changes in glycolysis)

Drugs, Mode of action
Douch, P. G. C., 1976, Xenobiotica, v. 6 (9), 531-536
Ascaris lumbricoides var suum, Moniezia expansa, azo- and nitro-reductase activities, absence of cytochromes P-450 and b_5, possible new approach for development of anthelmintic drugs

Drugs, Mode of action
Douch, P. G. C.; and Gahagan, H. M., 1977, Xenobiotica, v. 7 (5), 301-307
Moniezia expansa, Ascaris lumbricoides var suum, reduction and/or hydrolysis of niclosamide and related compounds by intact helminths and by enzyme preparations from the helminths and from mouse and sheep liver homogenates, reduction of niclosamide inhibited by allopurinol, indicates that co-administration of niclosamide and allopurinol might improve efficacy of anthelmintic, hydrolysis of benzanilide and related compounds inhibited by anthelmintic organophosphates

Drugs, Mode of action
Douch, P. G. C.; and Gahagan, H. M., 1977, Xenobiotica, v. 7 (5), 309-314
Ascaris lumbricoides var suum, N-deacetylase, localization and some properties, inhibition by anthelmintic organophosphates indicates they have potential use as adjuvants for anthelmintics of other chemical classes

Drugs, Mode of action
Duewel, D., 1977, Cahiers Bleus Vet. (26), 201-215
fenbendazole, efficacy against nematodes in various animals, useful as broad spectrum anthelmintic, mechanism of action, pharmacokinetics, metabolism, toxicology

Drugs, Mode of action
Duewel, D.; Hajdu, P.; and Damm, D., 1975, Berl. u. Munchen. Tierarztl. Wchnschr., v. 88 (21), 418-419
Metastrongylus apri, pigs, fenbendazol, therapeutic dosage, serum levels, fast elimination and low levels required for effectiveness

Drugs, Mode of action
Dvorak, J. A.; and Howe, C. L., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 58-63
Trypanosoma cruzi, effects of lampit on parasite penetration of vertebrate cells and intracellular parasite reproduction time, lampit resistant T. cruzi strain easily produced in vitro

Drugs, Mode of action
Dykstra, W. G.; and Meszoely, C. A., 1975, J. Protozool., v. 22 (3), 17A [Abstract]
Plasmodium lophurae intraerythrocytic stages, quinine-induced morphological changes apparently specific for feeding stages

Drugs, Mode of action
Eberhardt, U.; and Oettel, M., 1975, Pharmazie, v. 30 (4), 241-243
coccidiosis, structure-activity relationships of di-thiocarbamoyl hydrazine metal chelating agents, possible use as coccidiostats

Drugs, Mode of action
Eckert, J.; and Pohlenz, J., 1976, Tropenmed. u. Parasitol., v. 27 (3), 247-262
Echinococcus multilocularis metacestode tissue transplanted into mice or Meriones unguiculatus, Mesocestoides corti in mice, effects of mebendazole on metacestodes, oral therapy well tolerated

Drugs, Mode of action
Einheber, A.; Palmer, D. M.; and Aikawa, M., 1976, Exper. Parasitol., v. 40 (1), 52-61
Plasmodium berghei, chloroquine-induced pigment clumping, inhibition and reversal by quinine, WR 33,063, WR 171,669, WR 30,090, and WR 142,490, possible application in assay for oral bioavailability of such candidate antimalarials

Drugs, Mode of action
El-Hawey, A. M.; Lan, S. J.; and Schreiber, E. C., 1976, Egypt. J. Bilharz., v. 3 (1), 73-78
S[chistosoma] mansoni, tissue distribution and autoradiographic localization of SQ 18506 studied in infected mice (exper.); uptake by schistosomes cultured in vitro

Drugs, Mode of action
Elslager, E. F., 1974, Progr. Drug Research, v. 18, 99-172
human malaria and filariasis, new perspectives on chemotherapy, extensive review

Drugs, Mode of action
Entner, N.; and Grollman, A. P., 1973, J. Protozool., v. 20 (1), 160-163
Entamoeba histolytica, effect of amebicidal agents on protein synthesis, correlation of drug structural characteristics with biologic activity, implications for designing drugs with increased margin of selective toxicity for parasite vs. host

Drugs, Mode of action
Evans, D. A.; and Brown, R. C., 1973, J. Protozool., v. 20 (1), 157-160
Trypanosoma brucei bloodstream and culture forms, inhibition of cyanide-insensitive respiration by m-chlorobenzhydroxamic acid, cyanide-sensitive respiration of culture forms not affected, possible importance as trypanocidal drug, implications for mechanism of terminal respiration

Drugs, Mode of action
Evans, D. A.; and Brown, R. C., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 258 [Abstract]
Trypanosoma brucei, inhibition of cyanide-insensitive respiration of both bloodstream and culture forms by m-chlorobenzhydroxamic acid

Drugs, Mode of action
Ewert, A.; and Emerson, G. A., 1975, Am. J. Trop. Med. and Hyg., v. 24 (1), 71-73
effect of diethylcarbamazine on third stage Brugia malayi larvae in cats

Drugs, Mode of action
Fairlamb, A. H.; and Bowman, I. B. R., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 268 [Abstract]
Trypanosoma brucei, studies on glycerophosphate oxidase, mechanism of action, suramin a potential inhibitor

Drugs, Mode of action
Fairlamb, A. H.; and Bowman, I. B. R., 1977, Exper. Parasitol., v. 43 (2), 353-361
Trypanosoma brucei, effect of suramin and other trypanocidal compounds on sn-glycerol-3-phosphate oxidase, results suggest this enzyme is one of principal sites of action of suramin in vivo

Drugs, Mode of action
Fairlamb, A. H.; Opperdoes, F. R.; and Borst, P., 1977, Nature, London (5591), v. 265, 270-271
Trypanosoma brucei, effect of salicylhydroxamic acid + glycerol on motility and pyruvate production, shows how knowledge of trypanosome metabolism has led to new methods for screening drugs

Drugs, Mode of action
Farag, H. H.; Youssef, A. F.; and Omran, L. A., 1977, J. Pharm. Sc., v. 66 (3), 423-425
Hymenolepis diminuta, rats, 2-imino-3-[(N-arylcarbamoyl)methyl]-2,3,4,5-tetrahydrothiazoles, activity of some compounds, no clinical toxicity; role of nitro group in anthelmintic activity, possible in vivo drug bioactivation

Drugs, Mode of action
Farah, A.; et al., 1974, Egypt. J. Bilharz., v. 1 (2), 181-195
hycanthone used to treat human schistosomiasis, study of pharmacodynamics of drug using experimental animals, few toxic effects except in cats

Drugs, Mode of action
Fauran, F., 1973, Medecine Afrique Noire, v. 20 (10), 729-741
pharmacological aspects of antimalarial drugs in current use

Drugs, Mode of action
Fernando, S. S. E.; and Denham, D. A., 1976, J. Parasitol., v. 62 (6), 874-876
Trichinella spiralis, effect of mebendazole and fenbendazole on different life cycle stages, mice

Drugs, Mode of action
Ferone, R., 1973, J. Protozool., v. 20 (3), 459-464
Plasmodium berghei, synthesis of dihydropteroate and dihydrofolate, some properties of enzymes involved, enzymic synthesis of dihydropteroate inhibited by several sulfonamides and diaminodiphenylsulfone

Drugs, Mode of action
Fink, E., 1976, Ztschr. Parasitenk., v. 50 (2), 183-184
P[lasmodium] berghei yoelii, P. cathemerium, schizogony and sporogony stages, metabolites and antimetabolites

Drugs, Mode of action
Gear, N. R., 1976, Comp. Biochem. and Physiol., v. 55 (1C), 5-10
4 Schistosoma spp., response to various acetylcholinesterase and cholinesterase inhibitors on hydrolysis of acetylcholine by parasite extracts

Drugs, Mode of action
Gibson, D. W.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 74-87
Onchocerca volvulus, humans with severe onchocercal dermatitis, ultrastructure of microfilariae and host skin tissues before and after diethylcarbamazine treatment: Cameroon

Drugs, Mode of action
Giono-Barber, H.; and Sylla, O., 1973, Medecine Afrique Noire, v. 20 (12), 945-957
Entamoeba histolytica, pharmacological aspects and clinical indications for treatment, drugs in current use, humans

Drugs, Mode of action
Goebel, E.; and Dennig, H. K., 1976, Ztschr. Parasitenk., v. 49 (2), 97-112
Babesia herpailuri from cats before and after treatment with Imidocarb, ultrastructure of intraerythrocytic trophozoites and merozoites; prophylactic effect of drug may be due to low feeding on hemoglobin

Drugs, Mode of action
Goodwin, L. G.; and Tierney, E. D., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 21 [Demonstration]
trypanosome suspension (Trypanosoma brucei), titration technique on plastic microtest plates (Nunclon) to determine trypanocidal drug activity in body fluids and to detect contribution of humoral immunity to chemotherapeutic activity

Drugs, Mode of action
Gras, G., 1974, Medecine Afrique Noire, v. 21 (1), 11-28
human intestinal anthelmintics; pharmacological properties, chemical structures, screening methods, extensive review

Drugs, Mode of action
Grewal, A. S.; and Gill, B. S., 1976, Indian J. Animal Sc., v. 45 (1), 1975, 36-39
Trypanosoma evansi, rats (exper.), 4 arsenicals, effect on trypanosome morphology and infectivity in vivo (mice)

Drugs, Mode of action
Grzywacz, M., 1975, Mater. Med. Pol. (25), v. 7 (4), 311-313
Ascaris lumbricoides var. suum, pharmacodynamic analysis of piperazine adipate penetration into parasite using scintigraphy and autoradiography

Drugs, Mode of action
Hanna, R. E. B.; and Threadgold, L. T., 1976, Exper. Parasitol., v. 39 (1), 106-114
Fasciola hepatica tissue slices, stereological analysis of effects of metabolic inhibitors on production and distribution of Type 1 secretory bodies in tegument

Drugs, Mode of action
Hart, L. T.; Dimopoullos, G. T.; and Mandhare, K. S., 1973, Avian Dis., v. 17 (4), 752-757
Plasmodium lophurae, pyrimethamine, effect on in vitro incorporation of sodium acetate by lipids of blood from normal and infected ducks, inhibition of lipolysis in both normal and infected blood

Drugs, Mode of action
Hart, R. J.; Turner, R.; and Wilson, R. G., 1977, Internat. J. Parasitol., v. 7 (2), 129-134
Hymenolepis nana, bunamidine causes decrease in glucose uptake and increase in glucose efflux and stimulation of surface phosphatase activity, suggests that disruption of integument is mode of action by which worm death is caused, ultrastructural studies confirm these biochemical indications of integumental damage

Drugs, Mode of action
Heischkeil, R., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 505-516
Plasmodium vinckei, chemotherapeutic activity of selected antagonists of folic acid metabolism with special reference to structure-activity relationships, comparison with some standard antimalarials; some compounds also exert noxious effect on host

Drugs, Mode of action
Heischkeil, R., 1974, Tropenmed. u. Parasitol., v. 25 (1), 105-115
Plasmodium vinckei, mice, purine and pyrimidine derivatives, antimetabolic activity against structurally analogous vitamins of the B complex and precursors of nucleic acids, plasmodiostatic activity compared to some standard antimalarials

Drugs, Mode of action
Hentzer, B.; and Kobayasi, T., 1977, Ann. Trop. Med. and Parasitol., v. 71 (2), 157-166
Leishmania tropica, effects of pentamidine therapy on fine structure of amastigote stage

Drugs, Mode of action
Hillman, G. R.; Gibler, W. B.; and Anderson, J. B., 1977, Am. J. Trop. Med. and Hyg., v. 26 (2), 238-242
Schistosoma mansoni and S. japonicum in culture, comparative drug effects of hycanthone, scanning electron microscopy demonstrated degeneration of tegument of S. mansoni but not S. japonicum

Drugs, Mode of action
Homewood, C. A.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 114 [Demonstration]
Schistosoma mansoni, hycanthone reduction of adenosine incorporation and activity of parasite

Drugs, Mode of action
Ilan, J.; Pierce, D. R.; and Miller, F. W., 1977, Proc. Nat. Acad. Sc., v. 74 (8), 3386-3390
Plasmodium berghei, 9-β-D-arabinofuranosyladenine markedly depresses total protein synthesis and induces pronounced changes in spectrum of proteins synthesized (indicating changes in commitment for gene expression)

Drugs, Mode of action
Injeyan, H. S.; and Meerovitch, E., 1974, J. Protozool., v. 21 (5), 738-742
Crithidia sp., inhibition of overall growth and macromolecular synthesis by juvenile hormone, inhibition of RNA synthesis of particular interest, implications for mode of action in insect systems

Drugs, Mode of action
Irvin, A. D.; and Stagg, D. A., 1976, Parasitology, v. 73 (2), xix [Abstract]
Theileria parva in bovine lymphoid cells, purine and pyrimidine metabolism, possibility of exploiting defect in purine metabolism in therapy with folate antagonists

Drugs, Mode of action
Irvin, A. D.; and Stagg, D. A., 1977, Exper. Parasitol., v. 41 (1), 172-185
Theileria parva-infected bovine lymphoid cells, apparent defect in purine metabolism suggests that folate antagonists such as aminopterin and methotrexate may have application in therapy of East Coast fever

Drugs, Mode of action
Iwamoto, I., 1971, Nettai Igaku (Trop. Med.), v. 13 (1), 1-6
Wuchereria bancrofti microfilariae in carrier dogs, small amounts of diethylcarbamazine in blood cause temporary appearance of larvae and disturbance of 24-hour microfilarial rhythm

Drugs, Mode of action
Iyngkaran, N.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (4), 568-572
clinical trials using mebendazole to treat severe Trichuris trichiura infections in children; proctoscopy established as best method to assess worm burden and severity of involvement; mebendazole safe and effective if given over longer than currently recommended period, eggs post-treatment morphologically altered and no longer viable: Malaysia

Drugs, Mode of action
Jaffe, J. J.; Doremus, H. M.; and Meymarian, E., 1976, J. Parasitol., v. 62 (6), 910-913
Fasciola hepatica, mice, tubercidin administered either intraerythrocytically or by direct intravenous injection, reduced number with active infections, increased host survival, mechanism presumed to involve purine metabolism, mode of entry into flukes unknown

Drugs, Mode of action
James, C.; and Webbe, G., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (5), 413 [Letter]
Schistosoma haematobium in baboon (exper.), pronounced irreversible lung shift of worms after metrifonate therapy with resulting death of majority of trapped worms

Drugs, Mode of action
Janovy, J., jr.; Greiner, E. C.; and Decker, J. E., 1974, J. Protozool., v. 21 (3), 430 [Abstract]
Leishmania donovani vs. L. mexicana, anaerobic glycolysis and CO_2 fixation over the range 25-37 C, effect of pentostam vs. stibophen

Drugs, Mode of action
Josselin, J.; and Courtial, P., 1973, Medecine Afrique Noire, v. 20 (10), 781-787
pharmacological and biochemical aspects of human schistosomicides in current use

Drugs, Mode of action
Joyner, L. P.; and Norton, C. C., 1977, Parasitology, v. 75 (2), 155-164
Eimeria spp., anticoccidial effects of amprolium alone or with ethopabate, dinitolmide, and monensin with particular reference to oocyst sporulation, significance of effects on gametogony and sporogony

Drugs, Mode of action
Kessler, H. J.; Schulz, V.; and Wagener, B., 1976, Arzneimittel-Forsch., v. 26 (7), 1371-1375
distribution, absorption and elimination of trichomonocidal drug ZK 25 095 tested in normal subjects

Drugs, Mode of action
Kinnamon, K. E.; Ager, A. L.; and Orchard, R. W., 1976, Exper. Parasitol., v. 40 (1), 95-102
Plasmodium berghei, mice, sulfadiazine, WR 158,122, and WR 180,872 alone and in various combinations, synergistic effects, action at different sites in folic acid metabolic pathway, advantage of drug combinations in malaria chemotherapy

Drugs, Mode of action
Kirsch, R., 1976, Ztschr. Parasitenk., v. 50 (2), 223
trichostrongylid eggs, morphological changes after fenbendazole treatment of infected lambs

Drugs, Mode of action
Koehler, P., 1976, Ztschr. Parasitenk., v. 50 (2), 187
Ascaris suum, chemotherapy, effect on mitochondrial hydrogen transport

Drugs, Mode of action
Kohlmann, F. W.; and Sous, H., 1976, Arzneimittel-Forsch., v. 26 (4a), 618-620
pharmacological action and efficacy of combination sulfamoxole and trimethoprim against Plasmodium gallinaceum in chickens and Plasmodium berghei in mice, laboratory trials

Drugs, Mode of action
Krvavica, S.; et al., 1976, Vet. Arhiv, Zagreb, v. 46 (9-10), 241-244
Dicrocoelium dendriticum, sheep, mechanism of hetolin activity, inhibition of enzymes

Drugs, Mode of action
Kunz, S. E.; and Bay, D. E., 1977, Southwest. Entom., v. 2 (1), 27-31
Haematobia irritans, effects of diflubenzuron on mortality, fecundity, and reproduction, results show that fecundity and longevity were unaffected while egg hatch and larval development were reduced

Drugs, Mode of action
Laemmler, G.; and Wolf, E., 1977, Tropenmed. u. Parasitol., v. 28 (2), 205-225
Litomosoides carinii in Mastomys natalensis (exper.), 17 anthelmintics and chemotherapeutics comparatively tested for their chemoprophylactic activity against various larval stages of the parasites

Drugs, Mode of action
Laing, A. B. G., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 133-138
Plasmodium falciparum, hospital trials with Gambian children testing BRL 50216 alone or in combinations with sulphadimethoxine or sulphafurazole (acting as potentiators); some response also with P. malariae; sporontocidal effect only when BRL 50216 given in presence of potentiators

Drugs, Mode of action
Lee, J. C., 1972, Nettai Igaku (Trop. Med.), v. 14 (2), 97-110
Trichomonas vaginalis, in vitro growth inhibiting effects of 8 antitrichomonal drugs; therapeutic effects of trichomycin, piperanitrozole, metronidazole and nimorazole against abscess formation in mice (exper.)

Drugs, Mode of action
Lengyel, A.; and Janko, M., 1971, Parasitol. Hungar., v. 4, 73-86
mode of action of antiparasitic agents on human parasites and use of radioisotopes in drug investigations, review

Drugs, Mode of action
Leon, W.; Brun, R.; and Krassner, S. M., 1977, J. Protozool., v. 24 (3), 444-448
Leishmania tarentolae, effect of Berenil on growth, on buoyant density of kinetoplast DNA, on dyskinetoplasty at ultrastructural level, and on cell respiration, results suggest that Berenil adversely affects mitochondrial respiratory activity

Drugs, Mode of action
Levy, M. R.; Siddiqui, W. A.; and Chou, S. C., 1974, Nature (5442), v. 247, 546-549
Plasmodium falciparum, P. knowlesi, acid protease activity in parasites and in ghosts of their respective host red cells, possible value of protease inhibitors in inhibiting growth of malarial parasites

Drugs, Mode of action
Lindmark, D. G.; and Mueller, M., 1974, J. Protozool., v. 21 (3), 436 [Abstract]
affinity of metronidazole to reducing enzyme system(s) in Trichomonas vaginalis and Tritrichomonas foetus homogenates, inhibitory action of metronidazole on these enzymes due to competition for low redox potential electrons

Drugs, Mode of action
Linstead, D. J.; Klein, R. A.; and Cross, G. A. M., 1977, J. Gen. Microbiol., v. 101 (2), 243-251
Trypanosoma brucei, T. brucei brucei, threonine catabolism, inhibition of threonine dehydrogenase by wide range of agents

Drugs, Mode of action
Liu, T. P., 1976, Apiacta, v. 11 (1), 10-13
Nosema apis, Fumidil B, ultrastructural alteration in spore membrane; effect on lipids of infected midgut epithelial cells of honey bees

Drugs, Mode of action
Loppinet, V.; and Legait, J. P., 1974, Medecine Afrique Noire, v. 21 (4), 269-274
chemotherapy of human trypanosomiasis, drugs in current use, chemical structure and pharmacologic properties

Drugs, Mode of action
Macadam, R. F.; and Williamson, J., 1974, Ann. Trop. Med. and Parasitol., v. 68 (3), 291-299
Trypanosoma rhodesiense, acriflavine, ethidium, antrycide, drug effects on fine structure

Drugs, Mode of action
Macadam, R. F.; and Williamson, J., 1974, Ann. Trop. Med. and Parasitol., v. 68 (3), 301-306
Trypanosoma rhodesiense, suramin, tryparsamide, mapharside, drug effects on fine structure

Drugs, Mode of action
McDougald, L. R.; and Galloway, R. B., 1976, Exper. Parasitol., v. 40 (3), 314-319
Eimeria tenella, various anticoccidial drugs, in vitro and in vivo techniques used to observe effects on (1) viability of extracellular sporozoites, (2) penetration of sporozoites into host cells, (3) survival of intracellular sporozoites for 24 hr postinoculation

Drugs, Mode of action
McHardy, N.; Haigh, A. J. B.; and Dolan, T. T., 1976, Nature, London (5562), v. 261, 698-699
Theileria parva, drug screening in vitro, only Menoctone showed appreciable activity, subsequent tests in cattle artificially infected with ECF confirmed activity of Menoctone against the disease, mode of action not clear but seems to act against schizont or earlier stages and probably along a widely occurring biochemical pathway

Drugs, Mode of action
Mahmoud, A. A. F.; and Warren, K. S., 1974, J. Immunol., v. 112 (1), 222-228
Schistosoma mansoni, mice, anti-inflammatory effects of tartar emetic and niridazole, suppression of schistosome egg granuloma

Drugs, Mode of action
Makrinos, M. G.; et al., 1974, J. Protozool., v. 21 (3), 445 [Abstract]
Leptomonas strains resistant to Berenil or to ethidium bromide, cytology, staining reactions, no apparent inhibition of kinetoplast DNA but nuclear DNA distinctly reduced in drug-adapted organisms

Drugs, Mode of action
Manaia, A. da C.; and Roitman, I., 1971, Rev. Microbiol., S. Paulo, v. 2 (4), 177-179
Crithidia fasciculata, inhibition of growth by ethidium bromide; more effective at 32°C than 28°C; adenine neutralized the action of ethidium

Drugs, Mode of action
Manaia, A. da C.; and Roitman, I., 1977, J. Protozool., v. 24 (1), 192-195
Crithidia fasciculata grown in presence of ethidium bromide, dyskinetoplasty and growth inhibition, changes in oxidative metabolism and enzyme profiles

Drugs, Mode of action
Mansingh, A.; and Rawlins, S. C., 1977, Naturwissensch., v. 64 (1), 41
Boophilus microplus, antigonadotropic action of insect hormone analogues, inhibition of oviposition, mortality

Drugs, Mode of action
Marr, J. J.; and Berens, R. L., 1977, J. Infect. Dis., v. 136 (6), 724-732
Leishmania spp., in vitro study of antileishmanial effects of allopurinol and its metabolic derivative oxipurinol, suggested sites of action, reversal of antileishmanial effects by adenine and its derivatives

Drugs, Mode of action
Marshall, I.; Homewood, C. A.; and Jewsbury, J. M., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 287 [Demonstration]
Schistosoma mansoni, technique for measurement of worm activity as indication of drug action and worm response to drug

Drugs, Mode of action
Matuschka, F. R., 1977, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 238 (3), 419-429
Toxoplasma gondii cysts in Mastomys natalensis (brain) (exper.), sulfomethoxypyrazine + pyrimethamine, no endodyogeny observed on treated cysts, effects on cyst ultrastructure, scanning and transmission electron microscopy

Drugs, Mode of action
Maxie, M. G.; and Losos, G. J., 1977, Vet. Parasitol., v. 3 (4), 277-281
Trypanosoma congolense, cattle, release of parasites from microcirculation after injection of berenil, suggested that berenil acts by making trypanosomes available to host defenses such as the macrophage system

Drugs, Mode of action
Medina, H.; et al., 1955, Arq. Biol. e Tecn., v. 10, 121-165
Astaril, tartar emetic and Repodral, effect on respiration and anaerobic glycolysis of Leishmania brasiliensis and isolated mouse diaphragm

Drugs, Mode of action
Meister, A.; Tschaepe, M.; and Schroetter, E., 1977, Pharmazie, v. 32 (3), 174-177
human ascariasis, structure-activity relationships of phenol derivatives, possible ovicides

Drugs, Mode of action
Melton, M. L.; and Sheffield, H. G., 1975, J. Parasitol., v. 61 (4), 713-717
Toxoplasma gondii, degree of inhibition of penetration and multiplication in cultured cells by lasalocid, monensin, ormetoprim, sulfadimethoxine, and a combination of the latter two

Drugs, Mode of action
Moczon, T., 1976, Bull. Acad. Polon. Sc., Cl. II, s. Sc. Biol., v. 24 (4), 227-231
Fasciola hepatica miracidia, pesticides blocking activities of oxidoreductases, pesticide concentrations much lower than those used in field conditions for insect control

Drugs, Mode of action
Moore, G. A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 115 [Demonstration]
Schistosoma mansoni, morphological changes in tegument after treatment with hycanthone

Drugs, Mode of action
Morales, N. M.; et al., 1972, J. Protozool., v. 19 (4), 667-672
Leishmania tropica, effects of ethidium bromide and several acridine dyes on kinetoplast DNA

Drugs, Mode of action
Moreton, R. B.; and Gardner, D. R., 1976, Experientia, v. 32 (5), 611-612
n-trityl morpholine (Frescon), neurophysiological action on Lymnaea stagnalis

Drugs, Mode of action
Mueller, M.; and Lindmark, D. G., 1976, Antimicrob. Agents and Chemotherapy, v. 9 (4), 696-700
Tritrichomonas foetus, Trichomonas vaginalis, Entamoeba invadens, uptake of metronidazole under anaerobic vs. aerobic conditions, effect on viability of T. foetus

Drugs, Mode of action
Neame, K. D.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 287 [Demonstration]
Schistosoma mansoni, differences in schistosomicidal action of oxamniquine and hycanthone

Drugs, Mode of action
Nguyen, B. T.; and Stadtsbaeder, S., 1975, Path. Europ., v. 10 (4), 307-315
Toxoplasma gondii in culture, trimethoprim alone or with sulfamethoxazole as synergist (cotrimoxazole) resulted in inhibition of intracellular multiplication, prolonged therapy resulted in eradication of organisms from cell monolayers; similar trials with spiramycin ineffective

Drugs, Mode of action
Nielsen, M. H., 1976, Acta Path. et Microbiol. Scand., v. 84B (2), 93-100
Trichomonas vaginalis, in vitro treatment of exponentially growing cultures with metronidazole, effect on cell division and fine structure, findings indicate initial effect is inhibition of cell multiplication as well as impairment of protein-synthesizing capacity

Drugs, Mode of action
Nolan, J.; and Schnitzerling, H. J., 1976, Pesticide Biochem. and Physiol., v. 6 (2), 142-147
Boophilus microplus, acaricide-resistant vs. -susceptible strains, substrate specificity and catalytic efficiency of critical acetylcholinesterase component

Drugs, Mode of action
Ono, T.; and Inoki, S., 1975, Biken J., v. 18 (4), 257-265
Trypanosoma gambiense, mice, hydroxystilbamadine treatment, inhibition of kinetoplastic duplication without influence on nuclear or cytoplasmic duplication; disorganization and disappearance of kinetonucleus and its enveloping membrane shown by electron microscopy; failure to establish akinetoplastic clone probably due to inability of these forms to multiply

Drugs, Mode of action
Ono, T.; and Inoki, S., 1976, Biken J., v. 19 (2), 63-69
p-rosaniline-sensitive and -resistant strains of Trypanosoma gambiense in mice, interaction of p-rosaniline, furazolidon on kinetoplast; development of resistance, appearance of akinetoplastic forms

Drugs, Mode of action
Ono, T.; and Nakabayashi, T., 1976, Biken J., v. 19 (4), 171-177
Trypanosoma gambiense, morphology following neocarzinostatin injection in mice (exper.), anucleate forms, unusual structures, electron microscopy

Drugs, Mode of action
Opperdoes, F. R.; et al., 1976, Exper. Parasitol., v. 40 (2), 198-205
Trypanosoma brucei brucei, salicylhydroxamic acid (SHAM), inhibition of trypanosomal respiration in vitro, determination of toxicity for rats, determination of plasma levels in rats, no significant therapeutic effect in vivo, discussion of possibility that SHAM could still be trypanocidal if used in conjunction with another inhibitor of glycolysis

Drugs, Mode of action
Opperdoes, F. R.; Borst, P.; and Fonck, K., 1976, FEBS Letters, v. 62 (2), 169-172
Trypanosoma brucei, inhibition of glycerol-3-phosphate oxidase by salicylhydroxamic acid but motility and ATP production not drastically affected nor course of infection in rats, evidence for deficiencies in present ideas on trypanosome glycolysis, implications for chemotherapy

Drugs, Mode of action
Opperdoes, F. R.; de Rijke, D.; and Borst, P., 1976, Comp. Biochem. and Physiol., v. 54 (1B), 7-12
Crithidia luciliae, characterization of mitochondrial adenine nucleotide translocator and ATPase, significant differences between ATPase of trypanosomes and their hosts that could potentially be exploited in chemotherapy

Drugs, Mode of action
Palmer, R. M. J.; and Weatherall, M., 1977, Brit. J. Pharmacol., v. 59 (3), 472P
anti-malarial drugs, migration of horse leucocytes in vitro, inhibition of migration is specific to neither anti-malarial activity nor chemical structure

Drugs, Mode of action
Pandey, V. C.; Dutta, G. P.; and Rao, V. K. M., 1976, Indian J. Exper. Biol., v. 14 (2), 142-144
Entamoeba histolytica-infected rat caeca, significant increase in RNAse and DNAse activity, enzyme level reduced almost to normal values by treatment with emetine hydrochloride, enterovioform, or metronidazole

Drugs, Mode of action
Panitz, E., 1974, Proc. Helminth. Soc. Washington, v. 41 (1), 111-112
Eimeria tenella, chicks, megalomicin complex, anticoccidial activity, effect of structural changes of components

Drugs, Mode of action
Parker, R. D., jr.; and MacInnis, A. J., 1977, Exper. Parasitol., v. 41 (1), 2-16
Hymenolepis diminuta, cell-free system for protein synthesis, isolation and purification and reconstruction in vitro; puromycin inhibition of protein synthesis in this system indicated its potential use in investigating anthelmintic action

Drugs, Mode of action
Peters, W.; et al., 1977, Ann. Trop. Med. and Parasitol., v. 71 (4), 407-418
Plasmodium berghei, chloroquine sensitive and resistant strains, or mixed infections with P. yoelii nigeriensis, efficacy and mode of action of mefloquine in mice (exper.), evidence of potent blood schizontocide with effects enhanced by addition of pyrimethamine, sulfaphenazole or primaquine

Drugs, Mode of action
Peters, W.; Portus, J. H.; and Robinson, B. L., 1975, Ann. Trop. Med. and Parasitol., v. 69 (2), 155-171
Plasmodium berghei, use of drug-sensitive strain and several drug-resistant lines derived from it for evaluation of a selection of old and new compounds, value as screening system for blood schizontocidal activity

Drugs, Mode of action
Pfefferkorn, E. R.; and Pfefferkorn, L. C., 1976, J. Parasitol., v. 62 (6), 993-999
Toxoplasma gondii, adenine arabinoside inhibits DNA synthesis, more inhibitory to parasite than to cultured human fibroblast host cells, selection of single-step resistant mutant; cytosine arabinoside notably more inhibitory to cultured human cells than to T. gondii

Drugs, Mode of action
Pfefferkorn, E. R.; and Pfefferkorn, L. C., 1977, Exper. Parasitol., v. 42 (1), 44-55
Toxoplasma gondii, inhibition of growth and RNA and DNA synthesis by 5-fluorodeoxyuridine (FUDR), isolation and partial characterization of FUDR-resistant mutant also resistant to fluorouracil and fluorouridine, examination of possible mechanisms of resistance yielded new insights into pyrimidine salvage pathways of the parasite

Drugs, Mode of action
Phillips, J. L.; Sturman, G.; and West, G. B., 1976, Brit. J. Pharmacol., v. 57 (3), 417-420
comparative study of the interaction between histamine and piperazine and histamine and bephenium in Ascaris suum

Drugs, Mode of action
Picq, J. J.; Charmot, G.; and Ricosse, J. H., 1972, Medecine Trop., v. 32 (4), 527-546
"semi-immune" humans with acute attacks of Plasmodium falciparum, comparison drug trials using antemal and nivaquine, biochemical reactions of drug agents on trophozoites

Drugs, Mode of action
Pieri, F.; and Andre, L. J., 1974, Medecine Trop., v. 34 (2), 290-294
comparative study of amoebicidal drugs and their therapeutic effects

Drugs, Mode of action
Porter, M.; and Peters, W., 1976, Ann. Trop. Med. and Parasitol., v. 70 (3), 259-270
Plasmodium berghei, drug-sensitive strains successfully suppressed by WR 122,455, laboratory trials in mice comparing action with that of chloroquine and quinine

Drugs, Mode of action
Powers, K. G.; Aikawa, M.; and Nugent, K. M., 1976, Exper. Parasitol., v. 40 (1), 13-24
Plasmodium knowlesi in rhesus monkeys, clinical and morphologic effects of clindamycin and its N-demethyl-4'-pentyl analog

Drugs, Mode of action
Pradella, G.; et al., 1977, Riv. Zootecn. e Vet. (2), 161-165
thiabendazole, pharmacokinetics in ovine serum, spectrofluorimetric analysis of free thiabendazole, and of free 5-OH-thiabendazole and its metabolites

Drugs, Mode of action
Raether, W.; and Seidenath, H., 1976, Tropenmed. u. Parasitol., v. 27 (2), 238-244
trypanocidal effects and action of preparation 98/202 in exper. Trypanosoma rhodesiense infections in Macaca arctoides (possible new animal model for late stages of T. rhodesiense infections in man); animals previously treated with pentamidine or diminazene developed resistance to treatment

Drugs, Mode of action
Rahman, M. S.; et al., 1977, N. Zealand Vet. J., v. 25 (4), 79-83
metabolic changes in Moniezia expansa, Haemonchus contortus, and Fasciola hepatica from mebendazole-treated sheep, total nucleotide concentrations, ATP levels, ATP/ADP ratios; detachment of Fasciola hepatica from host tissue diminished its contact with the drug

Drugs, Mode of action
Rahman, M. S.; and Bryant, C., 1977, Internat. J. Parasitol., v. 7 (5), 403-409
Moniezia expansa, effects of mebendazole and cambendazole on respiratory metabolism

Drugs, Mode of action
Ramisz, A.; and Komorowski, A., 1975, Polskie Arch. Wet., v. 17 (4), 623-631
Trichinella spiralis, muscle phase in mice, fenchlorphos and bromophos, inhibition of host cholinesterase activity in motor end plates; increased activity of cholinergic system as main factor in pathogenesis

Drugs, Mode of action
Reid, V. E.; and Friedkin, M., 1973, Molec. Pharm., v. 9 (1), 74-80
Plasmodium berghei-infected mouse erythrocytes, increase of thymidylate synthetase, kinetic and physical properties, suggests possible target for chemotherapeutic attack

Drugs, Mode of action
Renault, J.; Cavier, R.; and Renault, S., 1976, Compt. Rend. Acad. Sc., Paris, v. 282, s. D, (5), 509-511
Entamoeba dysenteriae, secondary aminoquinolines, influence of alkylamino chain length and position on activity in vitro and in vivo

Drugs, Mode of action
Rew, R. S.; and Saz, H. J., 1977, J. Parasitol., v. 63 (1), 123-129
Litomosoides carinii, Dipetalonema viteae, and particularly Brugia pahangi microfilariae, oxygen requirements, carbohydrate metabolism, effect of levamisole

Drugs, Mode of action
Romanowski, R. D.; et al., 1975, J. Parasitol., v. 61 (4), 777-778
Haemonchus contortus, cambendazole-resistant vs. -sensitive strains, effect on fumarate reductase of cambendazole, thiabendazole, and levamisole

Drugs, Mode of action
Rougemont, A.; et al., 1974, Medecine Trop., v. 34 (4), 508-522
Onchocerca volvulus, histopathology of cutaneous reactions and microfilarial response in persons treated with diethylcarbamazine or suramine

Drugs, Mode of action
Ryley, J. F.; and Wilson, R. G., 1976, Parasitology, v. 73 (3), 287-309
Eimeria tenella, features of anticoccidial activity of 9 older anticoccidials re-investigated both in vivo and in cell culture, methodology discussed in relation to more active and more recent anticoccidials, further experiments with robenidine reported

Drugs, Mode of action
Saleh, S.; et al., 1976, Pharmacol. Research Commun., v. 8 (4), 359-368
Schistosoma mansoni in mice (exper.), comparative effects of antimonial and non-antimonial schistosomicides on host carbohydrate metabolism; antimonials did not affect metabolism while non-antimonial (niridazole) showed similar effects in host and parasite

Drugs, Mode of action
Saliba, E. K.; Sweatman, G. K.; and Kawar, N. S., 1971, J. Med. Entom., v. 8 (1), 73-83
Ornithodoros savignyi, respiration rate and longevity of untreated ticks at different temperatures, effect of ronnel on respiration rate at different temperatures using 3 application methods, statistical analysis, ronnel not practically useful as systemic pesticide against O. savignyi

Drugs, Mode of action
Sargeaunt, P. G.; and Lumsden, W. H. R., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 54-56
Entamoeba histolytica in vitro, action of furazolidone and iodochlorhydroxyquin alone and as combination drug (dependal)

Drugs, Mode of action
Sasi, P. K.; and Kaleysaraj, R., 1975, Experientia, v. 31 (11), 1261-1262
Ascaris lumbricoides, incubation in medium containing sub-lethal concentrations of piperazine, decreased phospholipid level, partial stimulation of phospholipase C activity, partial inhibition of choline kinase activity

Drugs, Mode of action
Saz, H. J.; and Dunbar, G. A., 1975, J. Parasitol., v. 61 (5), 794-801
Litomosoides carinii, Dipetalonema witei, Brugia pahangi, stibophen, inhibition of phosphofructokinase and lactate formation, effect on internal hexose phosphate accumulation, inhibition of aldolase, comparison with potassium antimony tartrate (inhibits PFK at higher concentrations but not aldolase); Ascaris suum, Hymenolepis diminuta, stibophen inhibition of phosphofructokinase

Drugs, Mode of action
Saz, H. J.; and Lescure, O. L., 1968, Molec. Pharm., v. 4 (4), 407-410
Ascaris lumbricoides var. suis, inhibition by anticestodal agents of mitochondrial ^{32}P-ATP exchange reaction indicates that selective toxicity of these compounds for cestodes is a result of differences in permeability between these two groups of helminths

Drugs, Mode of action
Schuntner, C. A.; and Thompson, P. G., 1977, J. Austral. Entom. Soc., v. 15 (4), 1976, 388
Boophilus microplus larvae, formamidine derivatives, inhibition of carbaryl oxidizing enzyme as primary lesion in lethal action

Drugs, Mode of action
Schuster, F. L.; and Rechthand, E., 1975, Antimicrob. Agents and Chemotherapy, v. 8 (5), 591-605
Naegleria fowleri, N. gruberi, amphotericin B, in vitro effects on growth, viability, and ultrastructure

Drugs, Mode of action
Searle, A. J. F.; and Willson, R. L., 1976, Xenobiotica, v. 6 (8), 457-464
metronidazole degradation by intestinal flora, rat caecal contents in vitro

Drugs, Mode of action
Senft, A. W.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (6), 832-840
Schistosoma mansoni, mice, hycanthone treatment, intrinsic content of serotonin and uptake of serotonin by drug-exposed worms, results suggest mode of action of hycanthone is not due to increased serotonin uptake; morphological changes in hycanthone-treated worms

Drugs, Mode of action
Sharpe, M. J.; and Lee, D. L., 1977, Parasitology, v. 75 (2), xvi [Abstract]
Trichostrongylus colubriformis, Nematospiroides dubius, effect of levamisole on adenylate energy charge and on levels of acetylcholinesterase

Drugs, Mode of action
Shaw, J. R.; and Erasmus, D. A., 1977, Parasitology, v. 75 (1), 101-109
Schistosoma mansoni, technique for in vitro maintenance of mature worms assessed by criteria in general use as well as by more critical analysis in terms of ultrastructure (particularly of female reproductive system), comparison between changes usually associated with in vitro culture and those induced by action of Astiban, differential cell death associated with both

Drugs, Mode of action
Sheffield, H. G.; and Melton, M. L., 1975, J. Parasitol., v. 61 (4), 704-712
Toxoplasma gondii, fine structure and multiplication in cell cultures, effects of pyrimethamine and sulfadiazine singly and in combination

Drugs, Mode of action
Sherman, I. W., 1974, J. Protozool., v. 21 (3), 452 [Abstract]
Plasmodium knowlesi cell-free system, requirements for optimum protein synthesis, effect of various drugs

Drugs, Mode of action
Sherman, I. W., 1976, Comp. Biochem. and Physiol., v. 53 (4B), 447-450
Plasmodium knowlesi ribosomes, development of highly active cell-free protein synthesizing system, use in assaying antimalarials

Drugs, Mode of action
Sherman, I. W.; and Jones, L. A., 1976, J. Protozool., v. 23 (2), 277-281
Plasmodium lophurae, reliable procedure for isolation of active ribosomes, optimal requirements for in vitro synthesis of proteins, effects of variety of drugs on duck reticulocyte and plasmodial ribosomes in cell-free protein-synthesizing systems (restricted selectivity not obtained)

Drugs, Mode of action
Sheth, U. K., 1975, Progr. Drug Research, v. 19, 147-157
comprehensive review of drug action of commonly used human anthelmintics

Drugs, Mode of action
Shoeb, H. A., 1976, Egypt. J. Bilharz., v. 3 (1), 11-37
human schistosomiasis, classification, structure, and activity of schistosomicides, extensive review

Drugs, Mode of action
Simpkin, K. G.; and Coles, G. C., 1976, Parasitology, v. 73 (2), iv [Abstract]
Nematospiroides dubius, Nippostrongylus brasiliensis, Nematodirus spathiger, modes of action of thiabendazole and mebendazole apparently different from those reported on other species

Drugs, Mode of action
Simpson, C. F., 1975, Am. J. Vet. Research, v. 36 (10), 1443-1446
Anaplasma marginale, calves treated with oxytetracycline, adverse effects on morphologic features of anaplasma bodies

Drugs, Mode of action
Simpson, C. F., 1977, Am. J. Vet. Research, v. 38 (10), 1509-1513
Paranaplasma caudata, calves, morphologic alteration of paranaplasma bodies following treatment with oxytetracycline; blood and liver biopsy specimens

Drugs, Mode of action
Sims, P.; and Gutteridge, W. E., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 276 [Abstract]
Trypanosoma cruzi in vitro, action of SQ 18506 on epimastigote and blood trypomastigote forms

Drugs, Mode of action
Sims, P.; and Gutteridge, W. E., 1976, Parasitology, v. 73 (2), iii [Abstract]
Trypanosoma cruzi, SQ 18,506, no substantial inhibitory effects on energy metabolism or membrane function, concluded that nucleic acid synthesis is primary target of this drug

Drugs, Mode of action
Sims, P.; and Newsom, R., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 20 [Demonstration]
Trypanosoma cruzi, ultrastructural changes induced by SQ 18,506

Drugs, Mode of action
Singh, K.; and Dutta, G. P., 1976, Indian J. Med. Research, v. 64 (8), 1185-1191
action of metabolic inhibitors on Entamoeba histolytica in axenic culture

Drugs, Mode of action
Singhal, K. C.; Madan, B. R.; and Saxena, P. N., 1977, Indian J. Med. Research, v. 66 (3), 517-521
Setaria cervi, effects of various chemicals on parasite nerve-muscle complexes and locomotion using worms with cuticular permeability barriers removed

Drugs, Mode of action
Smalley, M. E., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (6), 526-529
Plasmodium falciparum, asexual erythrocytic parasites destroyed by chloroquine but mature gametocytes are not, the drug clumped pigment of developing gametocytes with only immature gametocytes in the final stages of development surviving

Drugs, Mode of action
Soyfer, J. C.; and Cristau, B., 1972, Medecine Afrique Noire, v. 19 (5), 439-446
pharmacology, chemical structures, therapeutic use, anthelmintics currently in use for human helminthiasis

Drugs, Mode action
Srivastava, V. M. L.; and Khan, M. M., 1976, Indian J. Exper. Biol., v. 14 (4), 504-505
in vitro enzymatic demethylation of diethylcarbamazine mediated by rat liver microsomes

Drugs, Mode of action
Stammers, B. M., 1975, Ztschr. Parasitenk., v. 47 (2), 145-150
Fasciola hepatica, disruption of spermatogenesis, known fasciolicides and other anthelmintics tested

Drugs, Mode of action
Stammers, B. M., 1976, Research Vet. Sc., v. 20 (2), 174-179
Fasciola hepatica, sheep (exper.), effects of nitroxynil administered at various intervals after infection on flukes surviving treatment (occurrence of structurally abnormal flukes, deleterious effect on fluke growth and egg hatchability, reduced faecal egg counts)

Drugs, Mode of action
Sylla, O., 1973, Medecine Afrique Noire, v. 20 (11), 827-834
human trypanosomiasis, drugs in current use, clinical indications, mode of action

Drugs, Mode of action
Tadros, M. B., 1973, Med. J. Cairo Univ., v. 41 (4), 301-308
morphological changes in Schistosoma mansoni worms after treatment with sodium antimony dimercaptosuccinate, hamsters

Drugs, Mode of action
Tanaka, H.; et al., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (1), 19-26
Litomosoides carinii in Sigmodon hispidus (exper.), suppression of microfilaricidal activity of diethylcarbamazine by anti-lymphocyte and anti-thymocyte serum establishes role of lymphocytes in mechanism of drug action

Drugs, Mode of action
Tanowitz, H. B.; et al., 1975, Ann. Trop. Med. and Parasitol., v. 69 (1), 19-28
metronidazole, suggested mechanism of antimicrobial action and selective toxicity for Entamoeba histolytica as opposed to mammalian cell types and Trypanosoma cruzi

Drugs, Mode of action
Taylor, E. C.; et al., 1977, J. Med. Chem., v. 20 (9), 1215-1218
Trypanosoma cruzi, 2,4-diaminocycloalka[g]-pteridines tested for activity as dihydrofolate reductase inhibitors

Drugs, Mode of action
Thomas, H., 1977, Bol. Chileno Parasitol., v. 32 (1-2), 2-6
cysticercosis and other cestode spp., trials with praziquantel in various experimental hosts, rapidly effective in small doses with evidence of action on carbohydrate metabolism of the parasite

Drugs, Mode of action
Tomosky-Sykes, T. K.; and Bueding, E., 1977, J. Parasitol., v. 63 (2), 259-266
Schistosoma mansoni, hycanthone effects on muscular activity and neurotransmitter systems cannot be related to mode of antischistosomal action of this drug, effects occur after hepatic shift, are not demonstrable with antischistosomal analogs of hycanthone, and are also elicited in hycanthone-resistant worms; histochemical observations with dansylated compounds

Drugs, Mode of action
Ucros, H.; Leon, W.; and Krassner, S. M., 1977, Exper. Parasitol., v. 41 (2), 410-414
Trypanosoma cruzi, Y and Costa Rica strains compared, effect of ethidium bromide on growth, dyskinetoplasty, and respiration

Drugs, Mode of action
Vakil, B. J.; and Dalal, N. J., 1974, Progr. Drug Research, v. 18, 353-364
Entamoeba histolytica, humans, techniques for comparative evaluation of amoebicidal drugs: sites of action, efficacy, side effects, and toxicity

Drugs, Mode of action
Vanhaelen-Lindhout, E.; and Smit, A. M., 1971, Trop. and Geogr. Med., v. 23 (4), 381-384
abnormal Trichuris trichiura eggs in feces of children during and immediately after drug therapy with thiabendazole: Netherlands (previous residents of Surinam)

Drugs, Mode of action
Vercelli-Retta, J.; et al., 1975, Ztschr. Parasitenk., v. 48 (1), 15-23
Echinococcus granulosus, hydatid cysts from human and bovine lungs, germinal membrane, histochemistry and histoenzymology, enzymes, lipids, metabolic pathways, possible endocrine system; possible future pharmacological studies for interference with parasite development

Drugs, Mode of action
Waalkes, T. P.; and Makulu, D. R., 1976, National Cancer Inst. Monograph (43), 171-177
Pneumocystis carinii pneumonia in humans, pharmacologic aspects of pentamidine, possible serious renal toxicity in immunodepressed patients, probable inhibition of dihydrofolate reductase in all tissues

Drugs, Mode of action
Wagner, K. P.; and Krassner, S. M., 1976, Exper. Parasitol., v. 39 (2), 222-233
Leishmania tarentolae promastigotes, replica-plating techniques, isolation of stable mutant strains resistant to chloramphenicol, isolation of cell lines stress-adapted to streptomycin and to high culture temperatures, factors influencing resistance, mode of action of chloramphenicol (inhibition of protein synthesis and proline oxidation)

Drugs, Mode of action
Wan, Y. P.; Porter, T. H.; and Folkers, K., 1974, Proc. National Acad. Sc., v. 71 (3), 952-956
inhibition of electron transfer mechanisms of Plasmodium by quinones, possible use as curative and prophylactic antimalarials, laboratory trials with experimental animals

Drugs, Mode of action
Wang, C. C., 1976, Biochem. Pharmacol., v. 25 (3), 343-349
Eimeria tenella, relationship of respiration to sporulation and excystation, inhibition of respiration during sporulation and excystation by quinolone coccidiostats, amquinate-resistant strain much less subject to inhibition by quinolones, 2-hydroxy-naphthoquinone coccidiostats are equally effective inhibitors against wild type and amquinate-resistant mutant

Drugs, Mode of action
Wang, C. C.; Stotish, R. L.; and Poe, M., 1975, J. Protozool., v. 22 (4), 564-568
Eimeria tenella oocysts, dihydrofolate reductase, isolation and purification, kinetic parameters and molecular weight estimate; pyrimethamine is potent inhibitor of activity of E. tenella dihydrofolate reductase but less effective inhibitor of dihydrofolate reductase of chicken liver, difference may explain in vivo therapeutic action of pyrimethamine, opposite results with methotrexate

Drugs, Mode of action
Warhurst, D. C., 1973, J. Protozool., v. 20 (4), 529
Plasmodium berghei N67, P. berghei yoelii 17X, pigmented strains naturally resistant to chloroquine, surprisingly shown to possess high-affinity chloroquine receptors present in sensitive strains, presence of receptors apparently linked with production of haemozoin which will itself concentrate chloroquine, suggested that chloroquine interferes with sequestration of haemin as haemozoin

Drugs, Mode of action
Warhurst, D. C.; Homewood, C. A.; and Baggaley, V. C., 1974, Ann. Trop. Med. and Parasitol., v. 68 (3), 265-281
Plasmodium berghei, erythrocytic forms in vitro, technique for study of autophagic vacuole formation (pigment clumping), effect of chloroquine alone or with various cytotoxic drugs, may be used to study mode of action of antimalarials, effects of cultivation and other treatments upon malaria parasites, and as assay system for chloroquine and similar drugs

Drugs, Mode of action
Warhurst, D. C.; and Mallory, P., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 20-21 [Demonstration]
binding site for antimalarial schizontocides, chloroquine and quinine apparently compete for same site, other drugs with side-chain similarities and sufficient lipophilicity may also compete

Drugs, Mode of action
Warhurst, D. C.; Robinson, B. L.; and Peters, W., 1976, Ann. Trop. Med. and Parasitol., v. 70 (3), 253-258
Plasmodium berghei, mice, erythromycin potentiation of action of chloroquine on chloroquine-resistant strains, comparison of oral and subcutaneous routes and erythromycin base and stearate

Drugs, Mode of action
Warhurst, D. C.; and Thomas, S. C., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 15 [Demonstration]
stereochemical similarities between antimalarial schizontocides in relation to binding to receptor sites in intraerythrocytic malaria parasites

Drugs, Mode of action
Warhurst, D. C.; and Thomas, S. C., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 7-8 [Demonstration]
Plasmodium berghei in vitro, localization of mepacrine in merozoites

Drugs, Mode of action
Warhurst, D. C.; and Thomas, S. C., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 428 [Demonstration]
Plasmodium berghei, chloroquine treatment in vitro causes digestive vesicles containing hemozoin to clump together, competitive inhibition of this clumping by quinine and oligomycin, possibility that clumping site is a membrane ATP-ase used by the intraerythrocytic parasite

Drugs, Mode of action
Watts, S. D. M., 1977, Parasitology, v. 75 (2), xviii [Abstract]
Schistosoma mansoni, effect of 1,7,bis(p-aminophenoxy)heptane (153C51) on glucose transport, schistosomicidal activity apparently not due to this effect

Drugs, Mode of action
Williamson, J.; and Macadam, R. F., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (2), 130-137
Trypanosoma rhodesiense, effects of puromycin and its aminonucleoside, cordycepin and nucleocidin on fine structure

Drugs, Mode of action
Williamson, J.; and McLaren, D. J., 1974, J. Protozool., v. 21 (3), 453-454 [Abstract]
Trypanosoma rhodesiense, induction of cytoplasmic clefts by puromycin, cordycepin, and nucleocidin, results suggest drugs may prevent uptake of required unsaturated fatty acids and promote excessive intake of saturated acids

Drugs, Mode of action
Williamson, J.; and McLaren, D. J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 263 [Demonstration]
Trypanosoma rhodesiense in mice (exper.), cordycepin-induced cytoplasmic clefts in trypanosomes and resulting changes in fatty acid metabolism, ultrastructural studies

Drugs, Mode of action
Williamson, J.; and Scott-Finnigan, T. J., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 1-2 [Demonstration]
Trypanosoma congolense, in vitro testing of antiviral and antitumor compounds with possible trypanicidal effects, probable RNA inhibition

Drugs, Mode of action
Wiseman, R. A.; Woodruff, A. W.; and Pettitt, L. E., 1971, Tr. Roy. Soc. Trop. Med. and Hyg., v. 65 (5), 591-598
Toxocara canis, effects of diethylcarbamazine and thiabendazole on survival of larvae in mice (exper.); humans treated with diethylcarbamazine showed decreases in antibody levels soon after therapy started

Drugs, Mode of action
Woolhouse, N. M.; and Kaye, B., 1977, Parasitology, v. 75 (1), 111-118
Schistosoma mansoni, uptake and retention of oxamniquine and its metabolites by both sexes of worm following single oral or intramuscular dose in mice, and in vitro

Drugs, Mode of action
Yoneda, S.; Kimura, E.; and Castellani, B. R., 1977, Experientia, v. 33 (9), 1201-1202
Trypanosoma cruzi, Ro 7-1051, deleterious effect in vitro on intracellular and extracellular forms represented by nuclear pyknosis, fragmentation, and lysis of parasites, and by reduced ability to infect cells

Drying. See Desiccation.

Duodenum. See Intestine.

Dysentery
Beer, R. J.; and Rutter, J. M., 1972, Research Vet. Sc., v. 13 (6), 593-595
Trichuris suis, weaned pigs (exper.), syndrome resembling swine dysentery, demonstration of spirochaetal invasion of colonic mucosa, possible significance of association of nematode and bacteria

Dysentery
Burden, D. J., 1976, Parasitology, v. 73 (2), iv-v [Abstract]
Blastocystis sp., pigs, frequently found in feces of cases of diarrhea and dysentery, causal relationship not established

Dysentery
Dellamonica, P.; et al., 1976, Nouv. Presse Med., v. 5 (30), 1913 [Letter]
Giardia intestinalis in woman with associated urticaria and dysentery, relief of symptoms after metronidazole therapy, clinical case report: Nice, France

Dysentery
Gilman, R. H.; Davis, C.; and Fitzgerald, F., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 313-316
Trichuris infection and amoebic dysentery in Orang Asli aborigine children, comparison of two diseases, results support hypothesis that heavy Trichuris infection itself is responsible for a symptom complex: Malaysia

Dysentery
Jo Kian Tjaij; Sutanto, A. H.; and Simatupang, J., 1976, Paediat. Indonesiana, v. 16 (9-10), 412-414
amoebic dysentery in children, clinical trials with metronidazole, recommendations for single dose therapy especially in poor, developing areas after evaluation of long-term results: Indonesia

Dysentery
Lara Aguilera, R.; and Bernal, R. M., 1974, Bol. Med. Hosp. Inf., v. 31 (4), 779-784
Balantidium coli, dysentery in young children, frequent association with Trichuris trichiura infections in endemic areas, case reports, metronidazole: Mexico

Dysentery
Patel, R. S., 1968, Med. J. Zambia, v. 2 (1), 33
case reports of 2 children presenting with acute dysentery of Schistosoma mansoni origin, possible transmission while swimming in lake in Tanzania

Dysentery
Scragg, J. N.; and Proctor, E. M., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 824-825
Entamoeba histolytica, amoebic dysentery in children successfully treated with tinidazole in weight related dosages, recommended as safe and simple form of therapy: South Africa

Ear
Dailey, M. D.; and Ridgway, S. H., 1976, J. Wildlife Dis., v. 12 (1), 45-47
Nasitrematidae [sp.], possible cause of changes in acoustic behavior and hearing loss, Tursiops truncatus (inner ear)

Ear
Prasansuk, S., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (3), 260 [Letter]
Gnathostoma spinigerum in man, neuro-otological symptoms produced by mature male worm later removed from right external acoustic meatus, residual facial palsy, case report: Bangkok

Ear
Stagno, S.; et al., 1977, Pediatrics, Am. Acad. Pediat., v. 59 (5), 669-678
human congenital Toxoplasma [gondii], auditory and visual defects resulting from symptomatic and subclinical infections, need for early screening of suspected cases in order to prevent chorioretinitis and ameliorate brain damage

East Africa
Katamine, D.; and Murakami, F., 1974, Internat. Med. Found. Japan. Reporting series (4), 151-164
important tropical parasitic diseases of East Africa, extensive review (Plasmodium falciparum; Entamoeba histolytica; Leishmania donovani; Schistosoma mansoni; S. haematobium; Echinococcus granulosus; Wuchereria bancrofti; Acanthocheilonema perstans; onchocerciasis; Taenia solium; Trichinella spiralis; Ancylostoma duodenale; Necator americanus)

Easter Island
Meerovitch, E.; and Healy, G. R., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 538 [Letter]
Entamoeba histolytica, epidemiologic fecal and serologic survey demonstrated that human amoebiasis was not a significant public health problem on Easter Island

Ecdysis
Anya, A. O., 1976, Advances Parasitol., v. 14, 267-351
physiological aspects of reproduction in nematodes, extensive review: range of reproductive phenomena; reproductive system; male and female gametes; physiology of fertilization; development; sex differentiation; nutrition and other factors in egg production; behavioural aspects of reproduction; reproductive phenomena and parasitism

Ecdysis
Aoki, Y., 1971, Nettai Igaku (Trop. Med.), v. 13 (3), 134-140
Wuchereria bancrofti, Brugia malayi, B. pahangi, demonstration of exsheathing of microfilariae on thick blood film or on agar plate, effects of temperature on exsheathment

Ecdysis
Aoki, Y., 1971, Nettai Igaku (Trop. Med.), v. 13 (4), 170-179
Wuchereria bancrofti, Brugia pahangi, exsheathing of microfilariae on thick blood film or on agar plate, effects of temperature, salinity, and pH

Ecdysis
Araujo, P.; and Bressan, M. C. R. V., 1977, Ann. Parasitol., v. 52 (5), 531-537
Ascaridia galli larvae undergo two molts before hatching, infective larva is therefore third stage

Ecdysis
Audy, J. R.; Radovsky, F. J.; and Vercammen-Grandjean, P. H., 1972, J. Med. Entom., v. 9 (6), 487-494
neosomy: radical intrastadial metamorphosis in arthropods, definitions, examples, association with parasitic existence, evolutionary significance, review

Ecdysis
Bird, A. F., 1976, Organ. Nematodes (Croll), 107-137
skeletal structures in nematodes (copulatory spicules, cuticle, egg shell): structure, chemical composition, ontogeny, function, review

Ecdysis
Bonner, T. P.; Evans, K.; and Kline, L., 1976, Internat. J. Parasitol., v. 6 (6), 473-477
Nippostrongylus brasiliensis, role of gene expression in regulating cuticle formation during second molt, results strongly suggest that messenger RNA specific for molting was synthesized at 90 hours

Ecdysis
Campbell, W. C.; and Thomson, B. M., 1973, Austral. Vet. J., v. 49 (2), 110-111
ensheathed and exsheathed nematode larvae, survival rates after liquid nitrogen freezing, cryoprotective effect of exsheathment; exsheathed larvae of Trichostrongylus colubriformis proved uninfective even if they had not been frozen

Ecdysis
Chassard-Bouchaud, C.; and Hubert, M., 1976, Cell and Tissue Research, v. 167 (3), 351-361
Sacculina carcini, 3 stages of ecdysial gland regression in infected Carcinus maenas, ultrastructure

Ecdysis
Fujisaki, K.; Kitaoka, S.; and Morii, T., 1976, National Inst. Animal Health Quart., v. 16 (3), 122-128
comparative observations, feeding, molting, oviposition and hatching, ixodid ticks, laboratory cultural conditions

Ecdysis
Hajjar, N. P., 1972, J. Med. Entom., v. 9 (6), 551-557
Hyalomma (H.) dromedarii, H. (H.) anatolicum excavatum, premolting nymphs, engorged and ovipositing females, total lipid fatty acids and free fatty acid fractions of hemolymph and gut and molting fluids, changes in relation to feeding, molting, and oviposition

Ecdysis
Mango, C.; Odhiambo, T. R.; and Galun, R., 1976, Nature, London (5549), v. 260, 318-319
Ornithodoros moubata, females, induction of super-moulting by ingestion of ecdysone or ponasterone A, increased body weight and egg output, possible practical implications

Ecdysis
Parker, S.; and Croll, N. A., 1976, Exper. Parasitol., v. 40 (1), 80-85
Dictyocaulus viviparus, pepsin did cause exsheathment but was not an absolute requirement, exsheathment occurred in other proteases and in chitinase at appropriate pH optima, concluded that exsheathment in vivo is caused by host gut enzymes

Ecdysis
Purnell, R. E.; et al., 1973, Isotopes and Radiation Parasitol. III, 139-144
Rhipicephalus appendiculatus (unfed nymphs; engorged nymphs; moulting nymphs; unfed adults), effects of irradiation assessed by evaluating subsequent performance of ticks when fed on rabbits (mortality, attachment, feeding, mating, egg-laying); effects of irradiation on Theileria parva in salivary glands of adult ticks

Ecdysis
Robertson, A. S.; et al., 1975, J. Med. Entom., v. 12 (5), 530-534
Amblyomma americanum, molting behavior of engorged nymphs and larvae in 2 contrasting habitats, effect of environmental conditions on molting time and post-molt activity: Cherokee Co., Oklahoma

Ecdysis
Rockett, C. L., 1975, J. Insect Physiol., v. 21 (12), 1939-1944
Ornithodorus tartakovskyi, limb regeneration and apolysis process studies by amputations at various stages; coagulation of haemolymph

Ecdysis
Rogers, W. P.; and Brooks, F., 1976, Internat. J. Parasitol., v. 6 (4), 315-319
Haemonchus contortus, suggested that exsheathing fluid contains a zinc metalloenzyme (probably leucine aminopeptidase) which is involved in process of exsheathment

Ecdysis
Semtner, P. J.; Sauer, J. R.; and Hair, J. A., 1973, J. Med. Entom., v. 10 (2), 202-205
Amblyomma americanum, molting time of replete nymphs under field conditions, seasonal variance; post-molt behavior of adults during first and second summer in different habitats, survival, overwintering success

Ecdysis
Smales, L. R., 1977, Internat. J. Parasitol., v. 7 (6), 449-456
Labiostrongylus eugenii, life history: embryogenesis, larval development within egg, hatching process, second and third stage larval morphology and development, optimal temperatures

Ecdysis
Smales, L. R.; and Sommerville, R. I., 1977, Internat. J. Parasitol., v. 7 (3), 205-209
Labiostrongylus eugenii, exsheathment, important components of stimulus were pCO_2, pH, and temperature, similar to trichostrongylids

Ecdysis
Sommerville, R. I., 1976, J. Parasitol., v. 62 (2), 242-246
Haemonchus contortus, development and ecdysis in vitro, effects of changes in both ionic composition and osmotic pressure, potassium as necessary component of salt solution

Ecdysis
Sommerville, R. I.; and Davey, K. G., 1976, Internat. J. Parasitol., v. 6 (5), 433-439
Anisakis sp. larva, cuticle formation and ecdysis in vitro, development restarted by physico-chemical stimuli (effect of different media, carbon dioxide, storage, temperature), feeding does not occur until after moulting

Ecdysis
Svarc, R., 1977, Biologia, Bratislava, v. 32 (8), s. B, Zool. (3), v. 32 (8), 575-584
Cystocaulus ocreatus, penetration of first stage larvae into snails, localization, morphological changes during maturation, moulting

Ecdysis
Wilson, P. A. G., 1976, J. Zool., London, v. 179 (1), 135-141
Trichostrongylus retortaeformis growth patterns, moulting cycle, population growth profile

Ecology
Aisa, E., 1972, Parassitologia, v. 14 (2-3), 219-225
Myxobolus ellipsoides bramaeformis, infection levels similar in central and littoral portions of lake; infection of tench, Tinca tinca, localized mainly on gills, occasionally in swimbladder, rarely diffuse; slight pathological effects, no mortality; limnological data giving no ecological clue to distribution: lake Trasimeno

Ecology
Anderson, G., 1977, Marine Biol., v. 42 (3), 239-251
Probopyrus pandalicola, energy flow in parasitized and unparasitized laboratory Palaemonetes pugio population, secondary reproduction, metabolism, ingestion and egestion; temperature, season, host age, sex, and reproductive condition, effect on energetics of host-parasite systems

Ecology
Artz, V., 1975, Entom. Germanica, v. 1 (2), 105-143
ectoparasites of small mammals, prevalence in relation to ecological factors (geology, soil type, vegetation patterns), family of host and sex of host; technique for live parasitism rates: Schleswig-Holstein

Ecology
Arystanov, E., 1970, Parazitologiia, Leningrad, v. 4 (3), 210-218
infection of molluscs with trematodes in relation to population density, habitat, season, age: Amu Darya delta

Ecology
Azimov, D. A.; et al., 1976, Dokl. Akad. Nauk UzSSR (8), 53-54
Stephanofilaria stilesi, bovine, ecology, seasonal distribution, intermediate hosts and their daily activity in relation to temperature: southern Uzbekistan

Ecology
Bakke, T. A., 1972, Norwegian J. Zool., v. 20 (3), 165-188
Digenea of Larus canus, incidence and intensity, age of host, seasonal variation, distribution in alimentary canal; relationship to host habitat, food, and breeding behavior: Norway

Ecology
Bakke, T. A., 1972, Norwegian J. Zool., v. 20 (3), 189-204
Digenea of Larus canus, incidence and intensity, seasonality, relationship to host age, sex, weight, and food habits, diagrammatic model of infection pattern: Norway

Ecology
Bejsovec, J., 1974, J. Protozool., v. 21 (3), 454 [Abstract]
Eimeria colchici, E. phasiani, incidence of oocysts in various biotopes of an agricultural landscape over a 6-year period: Central Bohemia

Ecology
Berdyev, A., 1973, Zool. Zhurnal, v. 52 (2), 191-196
Hyalomma anatolicum excavatum on domestic animals, ecology, seasonal distribution, life cycle: Turkmenia

Ecology
Berdyev, A., 1975, Izvest. Akad. Nauk Turkmen. SSR, s. Biol. Nauk (2), 62-66
Hyalomma asiaticum asiaticum, Hyalomma anatolicum excavatum, comparison of life cycles, distribution, hosts, habitats; Hyalomma asiaticum asiaticum has pasture-burrow parasitism, Hyalomma anatolicum excavatum has stall-pasture parasitism: Turkmenia

Ecology
Bezuidenhout, J. D.; and Schneider, H. P., 1972, J. South African Vet. Ass., v. 43 (3), 301-304
Cosmiomma hippopotamensis, ecology and host specificity, collected on vegetation in Kaokoland, South West Africa

Ecology
Borroni, I.; and Grimaldi, E., 1974, Riv. Parassitol., v. 35 (4), 261-276
Diphyllobothrium latum, ecology of plerocercoid infection in fish, incidence and intensity, interplay of various factors (host species, host size (age), mechanism of infection (eating copepods vs. eating other fish), parasite size, muscular vs. visceral localization, site on lake in relation to human concentration): Lago Maggiore

Ecology
Bradley, A. K.; Gilles, H. M.; and Shehu, U., 1977, Ann. Trop. Med. and Parasitol., v. 71 (4), 443-449
human malaria and schistosomiasis, some ecologic considerations relevant to existing medical studies that are being carried out in several villages of the Malumfashi area of Nigeria

Ecology
Branagan, D., 1973, Trop. Animal Health and Prod., v. 5 (3), 153-165
Rhipicephalus appendiculatus, survival and development of all 3 instars under quasi-natural conditions in Kenya

Ecology
Brooks, D. R., 1976, Bull. Univ. Nebraska State Mus., v. 10 (2), 65-92
relationship between platyhelminth fauna and ecological niche of amphibian hosts: Nebraska

Ecology
Brown, E. R.; et al., 1977, Ann. N. York Acad. Sc., v. 298, 535-546
Posthodiplostomum cuticula, diseases of fish, possible relationships with chemical water pollutants

Ecology
Cannon, L. R. G., 1977, Internat. J. Parasitol., v. 7 (3), 227-232
incidence, intensity, host diet, habitat; ecological relationships of larval ascaridoids from marine fishes: south-eastern Queensland

Ecology
Chiriac, E.; and Popescu, A., 1969, Acta Parasitol. Polon., v. 16 (1-19), 1968-1969, 61-68
trematodes of rodents, relationships to humid habitat and mixed vegetable and animal diet of hosts: Roumanie

Ecology
Chow, C. Y., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 404-418
Wuchereria bancrofti, Brugia malayi, up-to-date review of confirmed and suspected vectors in WHO Western Pacific Region, available data of natural and experimental infection and infective rates of most vector mosquitoes, remarks on ecology and control

Ecology
Chubb, J. C., 1977, Parasitology, v. 75 (2), xxiii-xxiv [Abstract]
possible parasitological danger to fishes in river-to-river transfers as part of a water resource system

Ecology
Clifford, C. M.; Walker, J. B.; and Keirans, J. E., 1976, Onderstepoort J. Vet. Research, v. 43 (3), 105-111
Ixodes bakeri, male, nymph and larva described, ecology, seasonal activity: Republic of South Africa

Ecology
Cloutman, D. G.; and Becker, D. A., 1977, J. Parasitol., v. 63 (2), 372-376
Ergasilus centrarchidarum on Micropterus salmoides and M. punctulatus, some ecological aspects: host specificity; abundance related to host age and sex; seasonal abundance and egg production, optimum temperatures; no evidence of antagonism with other concomitant species of gill parasites: Lake Fort Smith, Crawford County, Arkansas

Ecology
Coggins, J. R., 1975, J. Elisha Mitchell Scient. Soc., v. 91 (2), 73
parasitic fauna, effect of host diet and habitat: Kellogg Bird Sanctuary, Michigan

Ecology
Cooper, C. L.; and Crites, J. L., 1976, J. Parasitol., v. 62 (1), 105-110
similarity index of helminth faunas of 7 passerine bird species, index of association of 10 species of helminths identified as having foci of infection, competition for invertebrate food resources and aggregation into mixed feeding flocks maximizes transmission: South Bass Island, Ottawa County, Ohio

Ecology
Davey, J. T.; and Gee, J. M., 1976, J. Marine Biol. Ass. United Kingdom, v. 56 (1), 85-94
Mytilicola intestinalis, survey, incidence in mussels, suggested differences in infestation levels between estuarine and open-coast populations due primarily to differences in degree of exposure to wave action, other factors include size, population density and location of hosts
Mytilus sp. (digestive tract): southwest of England

Ecology
De Jonckheere, J., 1977, Applied and Environment. Microbiol., v. 33 (4), 751-757
Naegleria fowleri, use of an axenic medium for differentiation between pathogenic and nonpathogenic isolates, data obtained on 102 Naegleria strains during extensive ecological study gave further evidence that thermal polluted waters are the main origin of N. fowleri in the environment

Ecology
Derylo, A., 1975, Przegl. Zool., v. 19 (2), 181-187
Mallophaga, intensity of invasion as related to ecology and host physiology, review

Ecology
Duke, B. O. L., 1974, Proc. 1. Internat. Cong. Ecol., 323-328
life cycles of Onchocerca volvulus and its vector, Simulium spp.; ecology of human onchocerciasis, epidemiology, control, distribution, review

Ecology
Dyk, V., 1976, Veterinarstvi, v. 26 (6), 267-268
ticks, elimination from a region, ecological factors, general discussion

Ecology
Dyk, V.; and Chroust, K., 1974, Acta Vet. Brno, v. 43 (1), 65-77
parasite survey, roe deer, incidence rate in two ecologically different regions, relationship to host age, preventive measures: Czechoslovakia

Ecology
Easton, E. R., 1975, J. Med. Entom., v. 12 (3), 295-298
Trombiculidae, comparison of incidence, hosts and seasonal activity in two diverse habitats: Oregon

Ecology
Edler, A.; and Nilsson, A., 1973, Entom. Scand., v. 4 (4), 274-282
ectoparasites of small mammals from two woodland habitats, seasonal variation, frequency and intensity of infestation, numerical comparison of ectoparasitic groups: southern Sweden

Ecology
Euzeby, J., 1977, Rev. Med. Vet., Toulouse, v. 128 (11), 1467-1492
gastrointestinal helminths, cattle-breeding, epidemiological data, environment, management, proposed control measures, extensive review

Ecology
Farhang-Azad, A., 1977, J. Parasitol., v. 63 (4), 701-706
Capillaria hepatica, egg-releasing mechanisms and transmission ecology among Norway rat populations, cannibalism serves as primary egg-releasing mechanism with secondary role played by predators and normal death and decomposition, minor role of carrion insects and soil invertebrates: Baltimore Zoo

Ecology
Franti, C. E.; et al., 1976, J. Am. Vet. Med. Ass., v. 169 (9), 901-906
Toxoplasma gondii, indirect hemagglutination test to determine prevalence in domestic and wild animals; epizootiologic factors (presence of cats, feeding habits of potential host, age and longevity of host, species and population densities of animals, and geographic and climatic factors): northern California

Ecology
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Asymphlodora tincae, incidence in Tinca tinca (intestine), limnological characteristics of lake, distribution in lake corresponding with that of intermediate host: Lake Trasimeno

Ecology
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Haemonchus contortus, development and survival of free-living stages on pasture studied over period of 3 years, only in July, August, and September were climatic conditions favorable, concluded that climate in Southern England is not ideal for development and survival of preparasitic stages

Ecology
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Nematodirus filicollis, development and survival of eggs placed on grass plots over a period of a year, extraordinary persistence of eggs and larvae under weather conditions of southern England makes control difficult

Ecology
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Ecology
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Rhipicephalus turanicus, differentiation from R. sanguineus, analysis of suburban biotopes (Midi mediterraneen--Provence et Languedoc, France), comparison with Dermacentor reticulatus in similar biotopes (Alpes du Nord)

Ecology
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Ecology
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[Checklist includes 388 bird species and contains both published and unpublished records. For records from specific hosts, see entries in Supplement 22, Part 7, Hosts.]

Ecology
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Ecology
Jackson, J. O.; and DeFoliart, G. R., 1975, J. Med. Entom., v. 12 (4), 409-412
Dermacentor variabilis, larvae and nymphs, relationships with nesting Peromyscus, population peaks in April and June, relationships with mouse populations, no differences between north- and south-facing hill slope locations; handsorting of nest material superior to Berlese funnel technique for collecting engorged ticks

Ecology
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Ecology
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helminths of vertebrates of tundra zones, biological peculiarities related to habitat, review

Ecology
Kocyłowski, B.; et al., 1976, Bull. Vet. Inst. Pulawy, v. 20 (1-2), 12-17
Eimeria carpelli, carp (intestine), incidence correlated with host age and state of culture and hygiene of ponds, amprolium chloride, good results, higher efficacy than nitrofural: Poland

Ecology
Korenberg, E. I.; et al., 1976, Zool. Zhurnal, v. 55 (2), 282-286
ixodid ticks, distribution study, importance of habitat profiles and detailed distribution map for planning control measures: Baikal-Amur main line

Ecology
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Echinococcus multilocularis, comparison of yearly prevalence in Peromyscus maniculatus and Microtus pennsylvanicus, possible explanation of linear relationship of infection rates in these two hosts: North Dakota

Ecology
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Diplectanum aequans, D. laubieri, simultaneous parasites on Dicentrarchus labrax (gills), preferential microbiotopes for each species: mer ou dans les etangs cotiers du littoral languedocien

Ecology
Lim, B. L., 1972, Southeast Asian J. Trop. Med. and Pub. Health, v. 3 (4), 605-612
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Ecology
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Dermacentor auratus ("wide spur and close spur" forms), mark-release and recapture program to study abundance, distribution, seasonal activity and movements and ecology of ticks: West Malaysia

Ecology
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Ecology
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Ecology
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leeches, distribution in relation to degree of water pollution: rivers Bzura and Ner

Ecology
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Microsporidia of simuliids, review including some unpublished work: taxonomy; cytochemistry; ultrastructure; pathology (influence on larval development, size, and respiration; cytopathology); ecology

Ecology
Mearns, A. J.; and Sherwood, M. J., 1977, Ann. N. York Acad. Sc., v. 298, 210-224
Phrioxocephalus cincinnatus, distribution on Citharichthys sordidus (eye) in relation to discharge of waste water, possibility that elevated levels of chlorinated hydrocarbons in fish tissue are inimical to attached macroparasites: southern California coastal waters

Ecology
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Ecology
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Ostertagia ostertagi, Cooperia oncophora, evidence that arrested development is due to action of environmental factors, nature of environmental signals not precisely identified but not simple, changes which they induce in larvae are spontaneously reversed after a time

Ecology
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Schistosoma mansoni, endemicity in Rattus rattus and R. norvegicus in fresh water mangrove swamps and their borders, epidemiological implications: Grande-Terre, Guadeloupe

Ecology
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parasites of small mammals and birds in high altitude areas, geographical distribution in relation to altitude, geological history, and host distribution, adaptations to alpine conditions including life history adaptations, review: High Tatra Mountains, Slovakia

Ecology
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Eimeria spp., mark-release-recapture techniques used to study ecology of coccidia in Malaysian rain-forest mammals, seasonal variations, reinfection records, immunity: Bukit Lanjan Forest Reserve, West Malaysia

Ecology
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Ecology
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trombiculid mites, seasonal fluctuations of larvae, difference of modes for attachment to rodents, incidence and number of species vary with vegetation types

Ecology
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Schistosoma japonicum in humans, relationship of topography to infection spread; increased number of irrigation canals and rice cultivation requires improved control measures: Leyte, the Philippines

Ecology
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3 ecologic approaches to study of protozoan parasitism: studies of energy flow between parasite and host; systems analysis; studies of nutrition through analysis of parasite's environment (Past President's address, Soc. Protozool.)

Ecology
Norval, R. A. I., 1975, J. Parasitol., v. 61 (4), 730-736
Haemaphysalis silacea, ecology: habitat preferences, distribution in relation to microclimatic conditions, seasonal activity, seasonal occurrence on hosts, sex ratio of ticks, host/tick interactions as result of host daily movements and feeding habits, site of attachment: Paardekraal Farm, Kowie River Valley, 15 km SE of Grahamstown, Eastern Cape Province, South Africa

Ecology
Norval, R. A. I., 1975, J. Parasitol., v. 61 (4), 737-742
Amblyomma marmoreum, ecology: habitat preference, seasonal activity, seasonal occurrence on hosts, life cycle in laboratory correlated with field observations, temperature dependence of feeding time, effects of host seasonal behavior: Paardekraal Farm, Kowie River Valley, 15 km SE of Grahamstown, Eastern Cape Province, South Africa

Ecology
Norval, R. A. I., 1977, J. Parasitol., v. 63 (4), 734-739
Amblyomma hebraeum, distribution of larvae in relation to vegetation and microclimate, seasonal activity of all stages in relation to macroclimate, life cycle normally of 3 years duration, adult and nymphal activity correlated with daylength, temperature, and rainfall: Eastern Cape Province, South Africa

Ecology
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Amblyomma hebraeum, survival and rate of development in relation to temperature and humidity under laboratory and field conditions, longevity of unfed ticks, ecological implications of results

Ecology
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conception and terminology of hosts in parasitology, extensive review: common host concept in ecology and parasitology; ecological and epidemiological aspects relating to host concept in parasitology; hosts as categories of suitability for certain parasites; host categories of the parasite life cycle; conclusions

Ecology
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possible ecological effects of trypanosomiasis control, increased cattle production leading to overgrazing and possibly to climatic change and drought: Africa

Ecology
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helminths and protozoans of estuarine fishes incidence and intensity; possible relationships with water pollutants: estuaries of Mississippi

Ecology
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Strongyloides fuelleborni, survey, geographic distribution, incidence in human feces, endemic in tropical forest regions, sporadic in savannah regions, slightly higher prevalence in children: West, Central and East Africa

Ecology
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Dicrocoelium lanceatum in Formicidae, effect on host free amino acid content, behavior, distribution on pastures; cause of tetany

Ecology
Patrick, C. D.; and Hair, J. A., 1975, J. Med. Entom., v. 12 (3), 393-394
Dermacentor albipictus, studies in field conditions, two different habitats, March 1973-May 1974, oviposition, incubation time, comments on taxonomic status and relationship to D. nigrolineatus: eastern Oklahoma

Ecology
Penna, R.; and Grassi, L., 1972, Parassitologia, v. 14 (2-3), 339-341
T[richuris] trichiura, A[scaris] lumbricoides, H[ymenolepis] nana, survey of prevalence of geohelminthiasis in school children, helminthiasis related to socioeconomic and hygienic conditions, not to scholastic achievement, prevalence higher in plain country than in mountain country: Province of Alesandria (Italy)

Ecology
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helminths of frogs, comparison of aquatic and terrestrial hosts, relation of parasite fauna to environment, food supplies and food habits, host life cycle, temperature, rainfall, season, age and sex of host, competition between species of parasite, localization within host: Kampinos National Park, Poland

Ecology
Prokopic, J.; et al., 1974, Izvest. Tsentral. Khelmint. Lab., v. 17, 119-144
ecological analysis of helminth fauna of small mammals in different biotopes: Bulgaria; Czechoslovakia

Ecology
Pucilowska, A., 1969, Acta Parasitol. Polon., v. 16 (1-19), 1968-1969, 33-46
helminths of fishes, dynamics of infection following formation of artificial body of water, seasonal distribution: Zegrzynski Reservoir

Ecology
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osmoregulation in trematodes in hypertonic solutions, no osmoregulation in hypotonic solutions, survival in hypertonic environment of host serum, Rana tigrina

Ecology
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Leptotrombidium deliense, comparative determination of numbers of larvae on Rattus argentiventer, R. tiomanicus and R. exulans in two different habitats; effects of weather on chigger population, implication of chiggers as vector of scrub typhus in Peninsular Malaysia

Ecology
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Amblyomma americanum, unfed male and female adults, daily and seasonal behavior in relation to temperature, humidity, and photoperiod in different habitats, behavioral patterns suggest activity regulation by body water content: Cookson Hills State Game Refuge, Cherokee County, Oklahoma

Ecology
Robertson, A. S.; et al., 1975, J. Med. Entom., v. 12 (5), 530-534
Amblyomma americanum, molting behavior of engorged nymphs and larvae in 2 contrasting habitats, effect of environmental conditions on molting time and post-molt activity: Cherokee Co., Oklahoma

Ecology
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species diversity of fish parasites in coral reef habitats, higher numbers of species of Monogenea per species of fish than in higher latitudes, theoretical discussion: Capricorn group of reefs, Great Barrier Reef

Ecology
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Ecology
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Ecology
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inhabitation of forests and pastures by ticks transferred by domestic and wild animals: Lower and Middle Amur flood plain

Ecology
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Hoplopleura edentula, bionomics, seasonal distribution and life cycle in relation to seasonal hair changes in juvenile and mature Clethrionomys glareolus: Naturpark Hoher Vogelsburg

Ecology
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Amblyomma americanum adults, daily and seasonal activity patterns, vertical migration, climatic conditions, different habitat types

Ecology
Semtner, P. J.; Sauer, J. R.; and Hair, J. A., 1973, J. Med. Entom., v. 10 (2), 202-205
Amblyomma americanum, molting time of replete nymphs under field conditions, seasonal variance; post-molt behavior of adults during first and second summer in different habitats, survival, overwintering success

Ecology
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Ecology
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ecological analysis of bat helminth fauna, geographic distribution: Moldavia

Ecology
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Amblyomma cajennense, distribution, populations, host range, distribution relative to several factors (temperature, relative humidity, rainfall, soil type, soil drainage, grass length, land utilization, livestock movements), seasonal variations, life cycle under controlled laboratory conditions, implications of findings for tick control: Trinidad

Ecology
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Aponomma hydrosauri, Amblyomma albolimbatum, A. limbatum, survey, distributions overlap remarkably little over long boundaries, roughly correlated with climate, vegetation, and, in one case, soil: South Australia

Ecology
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Ecology
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Schistosoma haematobium, S. intercalatum, incidence in children in 1972 compared with 1968, natural and experimental hybridization, increased incidence of S. haematobium probably resulting from introgressive hybridization following forest clearance and agricultural development which improved spread of its host snail: Loum, Cameroun

Ecology
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Trematoda, aquatic animals as eliminators (fish, molluscs, aquatic insects, crustaceans); possible measures for trematode control (introduction of eliminators or changing existing structure of biocenosis)

Ecology
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occurrence of larval biohelminths in insects, biocoenotic relationships with wild mammals: Fergansk valley

Ecology
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classification of arthropod parasites of bats according to life style, epidemiological implications: USSR

Ecology
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Microphallidae, Lepocreadiidae, and Echinostomatidae in Nassarius reticulatus (digestive gland, gonad), pathology, increased infection with host size, ecological changes: Kvarnbukten Bay, Gullmar Fjord (Sweden)

Ecology
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saurian malaria and other haematozoa, distribution and zoogeography, taxonomic problems, incidence by locality and season, implications for vector searches, mixed infections, comparative effectiveness of initial vs. repeated examinations of blood smears for detection: Middle America

Ecology
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Rhipicephalus sanguineus, dogs, survey, 1965-1966, lowered infestation rates due to dog eradication program, ecological data (distribution on host body, rainfall, temperature, humidity, seasonal distribution), analysis by multiple regression models: Singapore Island

Ecology
Theron, A.; Pointier, J. P.; and Combes, C., 1977, Ann. Parasitol., v. 52 (4), 421-433
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Ecology
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Leptotrombidium deliense-group, ecology of chigger-borne rickettsiosis and murine typhus

Ecology
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ixodid ticks, influence of cultivated land on distribution: Moldavia

Ecology
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Anaplasma marginale, prevalence in cattle by herd location, survey 1969-1970, relationship of prevalence to variations in ecologic and management practices, predictive value of this data: northern California

Ecology
Utterback, W. W.; et al., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 3-11
Anaplasma marginale, cattle, prevalence with respect to breed, sex, age, management practices, and ecologic factors: Northern California

Ecology
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distribution of avian helminths in relation to habitat zones (high mountain, mountain forest, forest and scrub, lowlands): Azerbaidzhan

Ecology
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Ixodidae, survey with emphasis on ecology: British Honduras

Ecology
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malaria, factors of human ecology that influence recent epidemiological changes

Ecology
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biological controls in mixed trichostrongylid infections (predominantly Haemonchus contortus cayugensis) in sheep, different ecosystems (barn vs. pasture) and different treatment groups, course of infections (erythrocyte loss, fecal egg counts, hematocrit values), "Anaphylactoid 'self-cure' did not occur in this experiment but something like premunition certainly did."

Ecology
Wilkinson, P. R., 1971, Acarologia, v. 12 (3), 492-508
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Ecology, Populations
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analysis of time delay in a host-parasite model

Ecology, Populations
Ajayi, J. A.; and Todd, A. C., 1973, Am. J. Vet. Research, v. 34 (3), 449-450
Haemonchus contortus, populations of differing pathogenicity used to premunize and challenge sheep, ability to distinguish 2 worm populations in sheep exposed to both by separation in curve of distribution frequencies of parasite lengths

Ecology, Populations
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Caryophyllaeus laticeps, seasonal periodicity in population dynamics, theoretical derivation of mathematical model, comparison of model predictions with observed population data, seasonality shown to be caused by combined effects of temperature-dependent parasite mortality rate and fluctuations in host feeding activity (which controls immigration rate of larval parasites)

Ecology, Populations
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critical assessment of Crofton's model of population dynamics of host-parasite interactions

Ecology, Populations
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Ostertagia ostertagi in calves, survival characteristics of worm populations, two simple mathematical models proposed to describe density-dependent survival

Ecology, Populations
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Ecology, Populations
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Ecology, Populations
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community dynamics of sandfly-borne protozoan infections: central California

Ecology, Populations
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Plasmodium colombiense sp. n. in Anolis auratus, host blood pictures, parasitemia, parasite structure and structural variance, infection states, host population structure, epidemiology: western Colombia (Cauca River valley basin)

Ecology, Populations
Bejsovec, J., 1977, J. Protozool., v. 24 (4), 48A [Abstract]
persistence of Coccidia despite changing land use and decreasing numbers of host animals: Bohemia

Ecology, Populations
Boag, B.; and Thomas, R. J., 1975, Research Vet. Sc., v. 19 (3), 293-295
sheep nematodes, population dynamics, field studies, level of larval mortality may vary from year to year with prevailing climatic conditions, 'spring rise' in ewes is major source of pasture contamination causing wave of lamb infections in late August and September

Ecology, Populations
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mathematical models in population ecology of parasites

Ecology, Populations
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Rhipicephalus appendiculatus, survival and development of all 3 instars under quasi-natural conditions in Kenya

Ecology, Populations
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gastrointestinal nematodes of cattle, effect of Onthophagus gazella in dung pats on numbers of infective larvae under moist climatic conditions, ecological distribution of larvae resulting from dung beetle activity

Ecology, Populations
Campbell, G.; et al., 1975, Tr. Am. Micr. Soc., v. 94 (3), 434-435 [Abstract]
modified live-box technique for evaluating helminth population dynamics of Lepomis macrochirus, technique permitted estimation of change in rate of recruitment in time, differential selection of infection sites, and reasonably accurate correlation of food intake and parasite recruitment

Ecology, Populations
Cooper, C. L.; and Crites, J. L., 1976, J. Parasitol., v. 62 (1), 105-110
similarity index of helminth faunas of 7 passerine bird species, index of association of 10 species of helminths identified as having foci of infection, competition for invertebrate food resources and aggregation into mixed feeding flocks maximizes transmission: South Bass Island, Ottawa County, Ohio

Ecology, Populations
Czerwinska, A., 1977, Ekol. Polska, v. 25 (3), 551-559
fleas of Microtus arvalis, effects of mowing and plowing on parasite and host populations: Lomna, near Warsaw

Ecology, Populations
Davies, R. W.; and Everett, R. P., 1977, Canad. J. Zool., v. 55 (3), 620-627
Nephelopsis obscura, life history, growth and age structure related to seasonal changes, seasonal population movements from deep-water zone to shore zone; no direct correlation between cocoon production and water temperature: Newsome Pond and Jail Pond, Alberta, Canada

Ecology, Populations
Duszynski, D. W.; and Conder, G. A., 1977, Internat. J. Parasitol., v. 7 (1), 83-88
Eimeria nieschulzi oocyst sporulation, influence of external factors and self-regulating mechanisms

Ecology, Populations
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ectoparasites of small mammals from two woodland habitats, seasonal variation, frequency and intensity of infestation, numerical comparison of ectoparasitic groups: southern Sweden

Ecology, Populations
Esch, G. W.; et al., 1976, Tr. Am. Fish. Soc., v. 105 (3), 486-490
Pomphorhynchus bulbocolli, Leptorhynchoides thecatus, helminth recruitment, bluegills, modified live-box technique, tethered and untethered fish compared, parasite spatial distribution

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Gasterophilus intestinalis, temperature, embryonic development and egg hatchability; longer viability of eggs at lower temperatures

Eggs
Swiderski, Z.; and Eckert, J., 1977, Parasitology, v. 75 (2), xix-xx [Abstract]
Echinococcus granulosus, oncospheres, ultrastructure

Eggs
Ubelaker, J. E.; and Allison, V. F., 1975, J. Parasitol., v. 61 (5), 802-807
Ascaris lumbricoides, A. suum, Toxocara canis, T. mystax, eggs, fine external morphology, scanning electron microscopy

Eggs
Uznanski, R. L.; and Nickol, B. B., 1976, J. Parasitol., v. 62 (4), 569-573
Leptorhynchoides thecatus eggs, external fibrillar band, structure, function (to increase intimacy of association between eggs and filamentous algae, eggs associated with algae are more likely to produce infections in intermediate host (Hyalella azteca) than eggs not so associated)

Eggs
de la Vega, R., 1976, Rev. Cubana Cien. Agric., v. 10 (3), 313-316
Boophilus microplus, mean weight of eggs, light and day of oviposition had no effect, high temperature increased weight

Eggs
Wright, C. A.; and Southgate, V. R., 1976, Symposia Brit. Soc. Parasitol., v. 14, 55-86
hybridization of schistosomes (history, reciprocity of interspecific pairings, egg morphology of hybrids, intermediate and definitive host infectivity of hybrids, behavior of hybrid cercariae, isoenzymes of hybrids), review with results of recent work on Schistosoma haematobium X S. intercalatum, practical implications, symposium presentation

Eggs
Yamane, Y.; Seki, R.; and Okada, N., 1976, Yonago Acta Med., v. 20 (2), 55-65
diphyllobothriid cestodes, surface topography of teguments (with special reference to genital atrium and microtriches) and eggshells, scanning electron microscopy

Egypt
Cheever, A. W.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 702-716
Schistosoma mansoni, S. haematobium, statistics and statistical methods of quantitative parasitological autopsy survey; comparison of statistics of S. mansoni with those of previous survey in Brazil: Egypt

Electricity
Dolnikov, A. E.; and Melnikova, K. V., 1976, Gig. Sanitariia (10), 115-116
ascarid eggs, attempted dehelminthization of liquids by electrohydraulic effect

Electron microscopic morphology. See Morphology.

Electron microscopic technique. See Technique, Electron microscopic.

Electrophoresis
Baba, E. H.; et al., 1977, Comp. Biochem. and Physiol., v. 57 (1B), 55-57
Schistosoma mansoni cercariae, proteolytic enzymes from cercarial extracts and from preacetabular secretions compared using polyacrylamide gel electrophoresis, purification of main secretory enzyme using Sephadex chromatography

Electrophoresis
Bagster, I. A.; and Parr, C. W., 1973, Nature (5415), v. 244, 364-366
trypanosome identification by electrophoresis of soluble enzymes

Electrophoresis
Barsanti, J. A.; Kristensen, F.; and Drumheller, F. B., 1977, Am. J. Vet. Research, v. 38 (7), 1055-1058
Dirofilaria immitis, normal and infected dogs, sex and age of dogs, serum protein analysis, agarose electrophoresis, comparison with microfilaria test

Electrophoresis
Bylund, G.; and Djupsund, B. M., 1977, Ztschr. Parasitenk., v. 51 (3), 241-247
Diphyllobothrium, 4 species all raised in same experimental final host (Mesocricetus auratus), protein profiles from isoelectric focusing, chemotaxonomic methods possibly useful for identification and distinction of species

Electrophoresis
Dooris, P. M.; and McGhee, R. B., 1976, J. Protozool., v. 23 (3), 433-437
Crithidia harmosa, C. fasciculata, differentiation by immunological methods (agglutination, indirect fluorescent antibody) and by polyacrylamide gel slab electrophoresis (number and relative mobilities of component protein bands)

Electrophoresis
Ebert, F., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 517-524
Leishmania donovani strains, characterization by disc electrophoresis, patterns of general protein staining, unspecific esterase, alkaline and acid phosphatases, species-specific fractions which may be instrumental in identification

Electrophoresis
Ebert, F., 1974, Tropenmed. u. Parasitol., v. 25 (1), 49-53
Leishmania tropica strains, electrophoretic patterns for proteins and enzymes which made characterization of strains possible, taxon-specific esterase bands which could be used in differentiating from L. donovani

Electrophoresis
Ebert, F., 1974, Tropenmed. u. Parasitol., v. 25 (3), 259-266
Leishmania spp. of the New World, comparative electrophoretic studies on proteins, esterases, relationships to Leishmania donovani and L. tropica, use of species-specific enzyme patterns in differentiating species and strains

Electrophoresis
Fowler, J. L.; and Reeves, E. L., 1974, J. Protozool., v. 21 (4), 538-542
microsporidan isolate previously considered to represent mixed infection of Nosema necatrix and Thelohania diazoma determined to be one species with spore dimorphism, electrophoretic protein profile of two spore types, temperature effects on ratio of mono- to octospores, recommended that name Nosema necatrix be retained for this isolate

Electrophoresis
Godfrey, D. G.; and Kilgour, V., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (3), 219-224
Trypanosoma brucei brucei, T. b. rhodesiense, T. b. gambiense, enzyme electrophoresis used to differentiate between subspecies, potentially useful in search for animal reservoirs or in identifying foci of human infections

Electrophoresis
Hadas, E.; Kasprzak, W.; and Mazur, T., 1977, Tropenmed. u. Parasitol., v. 28 (1), 35-43
Naegleria fowleri, N. gruberi and strains of Hartmannella spp., taxonomic differentiation by means of disc electrophoresis of protein patterns

Electrophoresis
Kilgour, V.; et al., 1974, Ann. Trop. Med. and Parasitol., v. 68 (2), 245-246
Leishmania spp., aminotransferases, demonstration of electrophoretic variation, potential for differentiating isolates and deriving taxonomic characters

Electrophoresis
Kilgour, V.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 270 [Abstract]
Trypanosoma brucei gambiense, distinctive isoenzyme patterns, attempted differentiation from T. b. rhodesiense and T. b. brucei by electrophoresis on thin-layer starch-gel

Electrophoresis
Le Riche, P. D.; and Sewell, M. M. H., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 327-328
Taenia solium and T. saginata, species differentiation by enzyme electrophoresis, differential mobility of glucose phosphate isomerase

Electrophoresis
Ooms, L.; et al., 1976, Vlaams Diergeneesk. Tijdschr., v. 45 (9-10), 290-299
helminthiasis in horses with particular reference to verminous aneurysms (Str[ongylus] vulgaris), diagnosis, value of electrophoresis of serum proteins in addition to clinical and coprological examination

Electrophoresis
Parr, C. W.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 147 [Abstract]
trypanosome isolates, taxonomic differentiation by electrophoretic characterization of enzymes

Electrophoresis
Rollinson, D., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 436-437 [Demonstration]
Eimeria spp., attempted differentiation of chicken coccidia by electrophoretic variation of enzymes

Electrophoresis
Rollinson, D., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 21-22 [Demonstration]
Eimeria spp. of mammals, electrophoretic techniques to differentiate spp. by variations in mobility of enzymes

Electrophoresis
Ross, G. C., 1976, Comp. Biochem. and Physiol., v. 55 (3B), 343-346
Schistosoma spp., isoenzymes, lactate dehydrogenase, malate dehydrogenase, acid phosphatase, isoelectric focusing in polyacrylamide gel, possible applications in taxonomy and diagnosis, factors considered in assessing results (include age and sex of parasite, host relationships, etc.)

Electrophoresis
Sargeaunt, P. G.; and Williams, J. E., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 385-386 [Demonstration]
Entamoeba histolytica, enzyme electrophoresis patterns established

Electrophoresis
Shirley, M. W., 1975, J. Protozool., v. 22 (3), 55A-56A [Abstract]
Eimeria spp., lactate dehydrogenase, glucose phosphate isomerase, characteristic electrophoretic mobilities for different species, parasite identification and other possible applications

Electrophoresis
Shirley, M. W.; and Lee, D. L., 1977, J. Parasitol., v. 63 (2), 390-392
Eimeria spp., isoelectric focusing of enzymes, compared with starch gel electrophoresis, inter- and intraspecies differences

Electrophoresis
Takayanagi, T.; Enriquez, G. L.; and Kambara, H., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (3), 308-312
Trichomonas vaginalis, determination of amylase isozymes by starch gel electrophoresis in order to establish parasite strains

Electrophoresis
Taylor, A. E. R.; and Williams, J. E., 1977, Parasitology, v. 75 (2), xxiii [Abstract]
Trypanosoma spp., possibility of characterizing species and strains using differences in polypeptide profiles on sodium dodecyl sulphate polyacrylamide gel electrophoresis

Electrophoresis
Tsukamoto, M., 1974, Nettai Igaku (Trop. Med.), v. 16 (2), 55-69
Plasmodium berghei, diagnostic differentiation of enzymes by polyacrylamide gel electrophoresis

Electrophoresis
Vasilev, I.; and Osikovski, E., 1974, Izvest. Tsentral. Khelmint. Lab., v. 17, 43-50
Philophthalmus posaviniensis, P. cupensis, P. sp., Hyptiasmus; water-soluble proteins, disc electrophoresis in polyacrylamide gel, difference in electrophoretic pattern between genera, but none between the 3 species of Philophthalmus, concluded that they are one species

Elephantiasis. [See also Lymphatic system]

Elephantiasis
Abdalla, R. E., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 53-55
Wuchereria bancrofti and Onchocerca volvulus as cause of human filariasis with hydrocele and elephantiasis, newly reported cases in previously non-endemic areas, need for differentiation from Loa loa: Sudan

Elephantiasis
Arrighi, E.; and Artignan, P., 1972, Medecine Trop., v. 32 (3), 305-310
surgical procedure for the treatment of human scrotal elephantiasis caused by filariasis

Elephantiasis
Bosworth, W.; and Ewert, A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (1), 21-25
Brugia malayi in cats (exper.), added infection of beta haemolytic streptococcus to hind leg regions resulted in elephantiasis, patterns of infections reversible with collateral lymphatic vessels developing

Elephantiasis
Fouques, M.; et al., 1972, Medecine Afrique Noire, v. 19 (2), 83-87
Wuchereria bancrofti, surgical treatment of elephantiasis and lymphatic system pathology resulting from infection

Elephantiasis
Guptavanij, P.; et al., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (1), 42-52
Malayan filariasis, statistics of prevalence and distribution survey for microfilariae and elephantiasis in the provinces of peninsular Thailand

Elephantiasis
Laurence, B. R., 1970, Med. History, v. 14 (4), 352-363
Brugia malayi, early history of elephantiasis in India and its association with religious beliefs (St. Thomas' curse)

Elephantiasis
Pedinielli, L.; et al., 1970, Marseille Chir., v. 22 (5), 504-508
filariasis, man, scrotal elephantiasis and chyluria, successful surgical intervention, case report, clinical review: France

Elephantiasis
Sivaloganathan, V.; and Cheah, W., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 279-280 [Demonstration]
human filariasis, case report of surgical repair of elephantiasis of legs: Kepala Batas, Province Wellesley, Malaysia

Elevation. See Altitude.

El Salvador
Cedillos, R. A., 1975, Bull. Pan Am. Health Organ., v. 9 (2), 135-141
Trypanosoma cruzi, epidemiologic features of Chagas disease: El Salvador

Embolism. See Cardiovascular system.

Embryology. [See also Development]

Embryology
Anya, A. O., 1976, Advances Parasitol., v. 14, 267-351
physiological aspects of reproduction in nematodes, extensive review: range of reproductive phenomena; reproductive system; male and female gametes; physiology of fertilization; development; sex differentiation; nutrition and other factors in egg production; behavioural aspects of reproduction; reproductive phenomena and parasitism

Embryology
Boctor, F. N.; and Kamel, M. Y., 1977, Comp. Biochem. and Physiol., v. 56 (2B), 169-173
Dermacentor andersoni, free amino acid pools during embryogenesis and in newly hatched larvae, glutamate-pyruvate transaminase and glutamate-oxalacetate transaminase activity

Embryology
Euzet, L.; and Mokhtar-Maamouri, F., [1976], Ann. Parasitol., v. 50 (6), 1975, 675-690
Acanthobothrium spp., embryonic development from egg to oncosphere

Embryology
Euzet, L.; and Mokhtar-Maamouri, F., 1976, Ann. Parasitol., v. 51 (3), 309-327
Caulobothrium longicolle, Phyllobothrium gracile, embryogenesis of two species compared, phylogenic implications

Embryology
Goldstein, P., 1977, J. Morphol., v. 152 (2), 141-151
Ascaris lumbricoides var. suum, chromatin diminution in early embryogenesis, three characteristic types of mitoses (pre-diminution, diminution, and post-diminution mitosis)

Embryology
Itagaki, H.; et al., 1975, Bull. Azabu Vet. Coll. (30), 57-62
Capillaria perforans eggs, development, optimum conditions for culture

Embryology
Ogren, R. E., 1972, Proc. Pennsylvania Acad. Sc., v. 46, 19-20
living tapeworm embryos, description of methods for examination (oriented toward classroom projects)

Embryology
Pasternak, J.; and Barrell, R., 1976, Genet. Research, v. 27 (2), 339-348
Ascaris lumbricoides, quantitation of nuclear DNA during gametogenesis and embryogenesis by Feulgen-microspectrophotometry, DNA constancy and chromatin diminution

Embryology
Pasternak, J.; and Barrell, R., 1976, J. Exper. Zool., v. 198 (2), 217-223
Ascaris lumbricoides, patterns of nuclear DNA and protein changes during embryogenesis, microspectrophotometric analysis, comparison with free-living Panagrellus silusiae

Embryology
Rogers, R.; Ellis, D. S.; and Denham, D. A., 1976, J. Helminth., v. 50 (4), 251-257
Brugia pahangi, intrauterine development of embryos from after fertilization to birth with particular emphasis on origin and development of sheath of microfilaria and its possible role in nutrition of developing embryo, comparison with other filarial species

Embryology
Rybicka, K., 1973, Tr. Am. Micr. Soc., v. 92 (2), 241-255
Hymenolepis diminuta, ultrastructure of macromeres in cleavage

Embryology
Sey, O.; and Sayed, R. I., 1976, Acta Zool. Acad. Scient. Hungar., v. 22 (1-2), 165-171
pre-parasitic stages of Basidiodiscus ectorchis and Sandonia sudanensis, embryonic development, morphology of miracidia, formed redia present in germinal cavity of miracidia, sporocyst stage absent

Embryology
Smales, L. R., 1977, Internat. J. Parasitol., v. 7 (6), 449-456
Labiostrongylus eugenii, life history: embryogenesis, larval development within egg, hatching process, second and third stage larval morphology and development, optimal temperatures

Embryology
Swiderski, Z., 1976, Internat. J. Parasitol., v. 6 (6), 495-504
Inermicapsifer madagascariensis, oncospheral hook morphogenesis, fine structural characteristics

Embryology
Vickerman, K., 1973, J. Protozool., v. 20 (4), 529
Protozoa, life cyclical changes in physiology

Encephalitis
Audebaud, G.; et al., 1975, Medecine et Malad. Infect., v. 5 (7), 391-397
Toxoplasma gondii, woman, fatal tumoral-like cerebral infection after childbirth, lack of pathogenicity in mice of isolated strain: France

Encephalitis
Babecka, E.; Bielen, E.; and Laskowski, A., 1975, Pediat. Polska, v. 50 (4), 491-494
Toxoplasma gondii, fatal congenital toxoplasmosis in newborn infant manifesting as septicemia, encephalitis and hydrocephalus, case report: Poland

Encephalitis
van Berkel, W.; Kuipers, F. C.; and Spruit, T. C., 1976, Nederl. Tijdschr. Geneesk., v. 120 (32), 1368-1370
Toxoplasma gondii, woman undergoing treatment for chronic Hodgkin's disease, death as a result of necrotizing encephalitis caused by toxoplasmosis

Encephalitis
Foertsch, D.; and Dvorackova, I., 1971, Medicina Alemana, v. 12 (3), 272-290
case reports, diagnosis and clinical management of encephalitis caused by Toxoplasma gondii infection in adults

Encephalitis
Hayden, D. W.; King, N. W.; and Murthy, A. S. K., 1976, Vet. Path., v. 13 (5), 337-342
Frenkelia sp. cysts associated with granulomatous encephalitis, in laboratory-reared rats, spontaneous infection (brain, cervical spinal cord): Wilmington, Massachusetts

Encephalitis
MacDonald, J. M.; Delahunta, A.; and Georgi, J., 1976, Cornell Vet., v. 66 (3), 372-380
Cuterebra sp., larvae, encephalitis in dog

Encephalitis
Mandelker, L.; and Brutus, R. L., 1971, J. Am. Vet. Med. Ass., v. 159 (6), 776
Dirofilaria immitis, cat (brain), dog (blood, brain), encephalitis

Encephalitis
Martinez, A. J.; Markowitz, S. M.; and Duma, R. J., 1975, J. Infect. Dis., v. 131 (6), 692-699
electronmicroscopic and clinicopathologic features of pneumonia and encephalitis caused by Acanthamoeba castellanii and Acanthamoeba polyphaga in exper. mice, comparisons with infections caused by Naegleria

Encephalitis
Mellor, D. H.; and Purcell, M., 1976, Neuropaediatrie, v. 7 (4), 423-430
encephalitic illnesses (with visual loss, epilepsy, and right hemiparesis) in child in remission from acute leukemia, suggested involvement of both measles virus and Toxoplasma gondii as cause

Encephalitis
Moffatt, R. E.; and Schiefer, B., 1973, Lab. Animal Sc., v. 23 (2), 282-284
Encephalitozoon cuniculi (Nosema cuniculi) causing typical encephalitic and nephritic lesions in apparently healthy guinea pigs in a closed laboratory colony, implications for experimental use of these animals

Encephalitis
Pavri, K. M.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hgy., v. 69 (1), 99-110
Toxocara canis in albino mice (exper.), marked synergistic effect in mixed viral infections, possible role of visceral larval migrans in creating "acute encephalopathy syndrome" in presence of simultaneous viral infections

Encephalitis
Siemes, H.; Siegert, M.; and Lison, H., 1974, Monatschr. Kinderh., v. 122 (7), 440-442
congenital infections causing encephalitis (including toxoplasmosis), electrophoretic analysis of proteins in cerebrospinal fluid

Encephalitis
de la Torre Rendon, F. E.; and Gorraez de la Torre, M. T., 1974, Patologia, v. 12 (1), 15-39
Toxoplasma gondii encephalitis with central nervous system lymphomatous infiltrates in young girl being treated with immunosuppressive drugs for Hodgkin's disease, diagnosis at postmortem examination, case report, extensive bibliography: Mexico

Encephalitis
Troussaint, D.; and Vanderhaeghen, J. J., 1975, Ophthalmologica, Basel, v. 171 (3), 237-243
ocular toxoplasmosis in man with concurrent trigeminal herpes zoster, pulmonary tuberculosis and Hodgkin's disease, death resulted from toxoplasmic encephalitis, clinical case report: Brussels, Belgium

Encephalomyelitis
Brown, T. T., jr.; and Patton, C. S., 1977, J. Am. Vet. Med. Ass., v. 171 (6), 492 [Letter]
Klossiella equi, presence in horse urine and kidneys, similar organisms in nervous tissue, may be causative agent of equine protozoal encephalomyelitis

Encephalomyelitis
Mason, K. V.; et al., 1976, Austral. Vet. J., v. 52 (6), 295 [Letter]
Angiostrongylus cantonensis, dogs, naturally occurring granulomatous encephalomyelitis: Queensland

Encystment. See Cysts.

Endocrines. See Glands; Hormones.

Endocytosis
Erp, E.; and Fahrney, D., 1975, Am. J. Vet. Research, v. 36 (5), 707-709
Anaplasma marginale, evidence that marginal bodies may leave bovine red blood cells without concomitant lysis, supports proposed endocytosis-exocytosis mechanism of host cell entry and exit in anaplasmosis

Endocytosis
Jones, T. C., 1974, J. Reticuloendothel. Soc., v. 15 (5), 439-450
interactions of intracellular parasites (including protozoa with special emphasis on Toxoplasma gondii) with macrophages, review: endocytosis, the entry process; survival within vacuolar system; effects of immunity on intracellular parasitism

Endocytosis
Merino, F.; et al., 1977, Internat. Arch. Allergy and Applied Immunol., v. 55 (1-6), 487-495
Leishmania brasiliensis, in vitro infection of murine macrophages, mechanism of penetration, endocytosis with active participation of both cells

Endocytosis
Silverstein, S. C., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 161-169
endocytic uptake of particles by mononuclear phagocytes in relation to penetration of obligate intracellular parasites, workshop report

England. See Great Britain, England.

Enteritis. [See also Intestine]

Enteritis
Boorman, G. A.; et al., 1973, Lab. Animal Sc., v. 23 (2), 187-193
Hexamita muris, Giardia muris, potentially pathogenic in newly weaned mice, causing enteritis and mortality in association with normal intestinal bacterial flora, quinacrine dihydrochloride not effective in reducing mortality, dimetridazole effective

Enteritis
Donaldson, M.; et al., 1975, Am. J. Vet. Research, v. 36 (6), 807-817
reptilian amebiasis, fatal epizootic, possible cause of many previous snake deaths, pathologic changes, probable mode of introduction and spread, treatment (metronidazole successful) and prophylaxis, amebae identified as or presumed to be Entamoeba invadens: Steinhart Aquarium, California Academy of Sciences, Golden Gate Park, San Francisco

Enteritis
Leibovitz, L., 1973, Am. J. Vet. Research, v. 34 (8), 1053-1061
Protozoa contributing to pathogenesis of necrotic enteritis in commercial white Pekin breeder ducks; necrotic enteritis also observed in other wild and domestic Anseriformes

Enteritis
Nadakal, A. M.; et al., 1973, Tr. Am. Micr. Soc., v. 92 (2), 273-276
Raillietina echinobothrida, new ant intermediate hosts, exper. infections in chickens revealed no effect of host age or infecting dose on prepatent period, histopathological changes, enteritis with granuloma formation

Enteritis
Nime, F. A.; et al., 1976, Gastroenterology, v. 70 (4), 592-598
Cryptosporidium as probable cause of severe acute self-limited enterocolitis in 3-year-old child, first report of human infection, light and electron microscopic findings in rectal biopsy, source of infection not established, value of sigmoidoscopy and biopsies for determining etiology of gastrointestinal infections: Vanderbilt University Hospital, Nashville, Tennessee

Entomology, Manuals and textbooks
Cloudsley-Thompson, J. L., 1976, Insects and history, 242 pp., illus.
history of insects and diseases they transmit

Entomology, Medical
Chesnova, L. V., 1974, [Problems of general entomology. Development of the theory of transmission], 208 pp., illus.
development of theory of arthropod transmission of disease, extensive historical review

Entomology, Veterinary
Chesnova, L. V., 1974, [Problems of general entomology. Development of the theory of transmission], 208 pp., illus.
development of theory of arthropod transmission of disease, extensive historical review

Environment. See Ecology.

Enzymes. [See also Biochemistry; Metabolism]

Enzymes
Abrahams, S. L.; Northup, J. K.; and Mansour, T. E., 1976, Molec. Pharm., v. 12 (1), 49-58
Fasciola hepatica, 5-hydroxytryptamine and other effectors, effects on adenylate cyclase activity, fluke motility, and endogenous adenosine cyclic 3',5'-monophosphate level; antagonism by LSD of 5-HT effect on adenylate cyclase; possible hormonal role of 5-HT in regulation of neuromuscular activity

Enzymes
Agosin, M.; et al., 1976, Internat. J. Biochem., v. 7 (11), 585-593
Trypanosoma cruzi culture form, spectral characterization of microsomal and other hemoproteins, results suggest that cytochrome-P-450-linked monooxygenase system may be responsible for resistance of this parasite to antimicrobial drugs

Enzymes
Agosin, M.; et al., 1976, Science (4261), v. 194, 195-197
Trypanosoma cruzi epimastigotes possess active detoxifying system whose characteristics are those of monooxygenase system linked to P-450 and whose activity is increased by phenobarbital, results suggest that important factor in T. cruzi's insensitivity to chemotherapeutic agents may be this ability to metabolize foreign compounds

Enzymes
Akao, S., 1977, J. Electr. Micr., v. 26 (3), 266
Toxoplasma, localization of perioxidase activity in mitochondria and dense granules, biochemical characterization

Enzymes
Alcaino, H. A.; Baker, N. F.; and Fisk, R. A., 1976, Am. J. Vet. Research, v. 37 (10), 1153-1157
Fasciola hepatica, enzyme polymorphism, esterases

Enzymes
Al Chalabi, K.; and Gutteridge, W. E., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 146 [Abstract]
Trypanosoma spp., Crithidia fasciculata, C. oncopelti, thymidine phosphorylase activity, salvage pathways, inhibition of activity by suramin and ethidium

Enzymes
Al Chalabi, K.; and Gutteridge, W. E., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 268 [Abstract]
Crithidia fasciculata, activity of thymidylate phosphatase

Enzymes
Al Chalabi, K.; and Gutteridge, W. E., 1976, Parasitology, v. 73 (2), xv-xvi [Abstract]
6 spp. of Trypanosomatidae, thymidylate synthetase activity, ranks as potential target for chemotherapeutic attack since it is markedly more sensitive to suramin inhibition than isofunctional mammalian and bacterial enzymes

Enzymes
Al Chalabi, K.; and Gutteridge, W. E., 1977, Parasitology, v. 74 (3), 299-312
deoxythymidylate catabolism in some trypanosomatids

Enzymes
Alexander, J.; and Vickerman, K., 1975, J. Protozool., v. 22 (4), 502-508
Leishmania mexicana mexicana-infected mouse peritoneal macrophages, fusion of host cell secondary lysosomes with parasitophorous vacuole, may be pathway for nutrients, drugs, antibodies

Enzymes
Al-Khateeb, G. H.; and Hansen, M. F., 1973, Avian Dis., v. 17 (2), 269-273
Histomonas meleagridis, turkeys (exper.), plasma glutamic oxalacetic transaminase level, correlation with number of liver lesions, salfuride treatment reduced number of liver lesions and lowered plasma GOT levels, useful as indicator of course of disease and for screening potential histomonastats

Enzymes
Al-Khateeb, G. H.; and Hansen, M. F., 1974, Avian Dis., v. 18 (4), 507-514
Histomonas meleagridis, turkeys and chickens (both exper.), plasma enzyme levels used to evaluate susceptibility according to breed and age of host, duration of infection in chickens, effect of route of inoculation, and effect on virulence of the age of in vitro subcultures

Enzymes
Anderson, N.; Blake, R.; and Titchen, D. A., 1976, Parasitology, v. 72 (1), 1-12
Ostertagia circumcincta, sheep, repeated infections, food intake, total acid output of fundic pouches, pH of abomasal contents, plasma pepsinogen levels, effects reversed by thiabendazole treatment, secretory capacity of fundic pouches tested with pharmacologic agents and feeding

Enzymes
Anderson, P. H.; et al., 1977, Vet. Rec., v. 100 (3), 43-45
Fasciola hepatica, calves (exper.), enzyme activity in plasma or serum, serum concentrations of proteins, urea and bilirubin; glutamate dehydrogenase and gamma-glutamyl transpeptidase most sensitive indicators of liver cell damage

Enzymes
Andreadis, T. G.; and Hall, D. W., 1976, Exper. Parasitol., v. 39 (2), 252-261
Neoaplectana carpocapsae, encapsulation and melanization in Aedes aegypti, changes in host hemocytes and hemolymph proteins, distribution of DOPA-oxidase within hemocytes, hemocyte changes as possible pathological condition created by parasite, possible function of protein in host defense reactions

Enzymes
Annabaeva, G. D.; and Soprunov, F. F., 1975, Ang. Parasitol., v. 16 (3), 170-177
activity of phosphoenolpyruvate carboxykinase in subcellular fractions of Ascaris suum and Fasciola hepatica tissues, radioisotope and spectrophotometric methods, biological role in metabolism of helminths

Enzymes
Ansari, A. A.; Khan, M. A.; and Ghatak, S., 1976, Exper. Parasitol., v. 39 (1), 74-83
Ascaridia galli extracts, isolation of trypsin and chymotrypsin inhibitors, partial purification and some physical and chemical properties

Enzymes
Anwar, N.; et al., 1977, Ztschr. Parasitenk., v. 51 (3), 275-283
Setaria cervi, enzymes of glycolysis and PEP-succinate pathway

Enzymes
Aoki, T.; et al., 1975, Proc. Japan Acad. Tokyo, v. 51 (9), 733-736
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nutrition in cestodes

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Schistosoma mansoni, fractionation of normal human sera and plasma in order to identify inhibitors of the 'penetration' proteases

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Trypanosoma cruzi, Leishmania braziliensis, mice, infectivity loss after in vitro exposure to polyenzymic 'PIGO' (peroxidase, iodide, glucose, type-II oxidase and oxygen)

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three virgulate xiphidiocercariae, hydrolytic enzymes and cercarial secretions, histochemistry, localization, role in penetration of arthropod (Litobrancha recurvata) cuticle: Cheat River System, West Virginia

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trypanosome identification by electrophoresis of soluble enzymes

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Enzymes
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Enzymes
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energy metabolism in nematodes, extensive review

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Fasciola hepatica adults, presence of all enzymes of β-oxidation sequence, but inability to oxidize exogenous palmitate indicates β-oxidation pathway not functional, possible roles for enzymes in metabolism

Enzymes
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Enzymes
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Enzymes
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Enzymes
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Enzymes
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Leishmania donovani, L. braziliensis, phosphofructokinase probably does not play an important role in glycolysis

Enzymes
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Enzymes
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Enzymes
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Enzymes
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Schistosoma mansoni, miracidium, distribution of peroxidase activity in mitochondria, no peroxidase activity observed in mitochondria of other life cycle stages, biological implications

Enzymes
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digenetic trematodes, digestive tract, gastrodermis, cytochemistry, surface amplifications, physiology, autophagy, review

Enzymes
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Enzymes
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Enzymes
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Enzymes
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Schistosoma japonicum, neither L- nor D-tryptophan oxygenase activities detected in adult worms; S. mansoni vs. S. japonicum, differential effect of infection on L-tryptophan oxygenase in mouse livers

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Enzymes
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Enzymes
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Enzymes
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Ascaris lumbricoides gut, muscles, and eggs, coproporphyrinogen oxidase activity, results suggest that porphyrin synthesis may be maintained at low levels due to continual feedback inhibition by protoheme

Enzymes
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Crithidia, presence of ornithine carbamoyltransferase in species harboring bacteria-like endosymbionts (C. deanei, C. oncopelti) enables these species to synthesize arginine from ornithine thereby conferring a nutritional advantage on the protozoan host

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Enzymes
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Plasmodium berghei subspp., electrophoretic variation in glutamate dehydrogenase

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Enzymes
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Plasmodium spp., survey of electrophoretic forms of 4 enzymes, variation between species, subspecies, and strains

Enzymes
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Plasmodium falciparum, variations in electrophoretic forms of the enzymes glucose phosphate isomerase (GPI), lactate dehydrogenase (LDH) and 6-phosphogluconate dehydrogenase (6GPD) in isolates collected from various areas of Africa

Enzymes
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Trichinella spiralis, increased propulsive activity in parasitized rats with associated inflammatory changes and a significant reduction in disaccharidase levels in gut mucosa

Enzymes
Castro, G. A.; Roy, S. A.; and Schanbacher, L. M., 1975, J. Parasitol., v. 61 (6), 1053-1060
Trichinella spiralis, untreated worms or worms exposed to phytohemagglutinin or immune serum, in vitro effects of lamina propria cells from small intestine of immunized rats, deleterious effect of disrupted (but not intact) cells on juveniles and adults (but not larvae), vermicidal component not linked to peroxidase-H_2O_2-halide system

Enzymes
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Trypanosoma cruzi, CO_2-fixing enzymes (ADP-linked phosphoenolpyruvate carboxykinase, NADP-linked malic enzyme)

Enzymes
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Trypanosoma cruzi, malic enzyme, partial purification, properties

Enzymes
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Trypanosoma cruzi, glutamate dehydrogenase, aspartate aminotransferase, presence and some properties

Enzymes
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Tritrichomonas foetus, malate dehydrogenases

Enzymes
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trichomonads, hydrogenosomes, biochemical properties

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Schistosoma mansoni, mice, effect of infection on hepatic drug-metabolizing capacity, implications for metabolism of antischistosomal drugs

Enzymes
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Ascaridia galli, tetramisole, carbohydrate utilization, neuro-transmission, enzymatic activity

Enzymes
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differentiation of 11 types of circulating microfilariae in blood smears from 7 spp. of New World monkeys based on differences in histochemical localization of acid phosphatase: New England Regional Primate Research Center

Enzymes
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Dicrocoelium lanceatum, guinea pigs (exper.), enzyme-histochemical changes in liver

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Leishmania donovani grown in hamster peritoneal macrophages in vitro, multiplication within host cell phagolysosomes, survival mechanism of this intracellular parasite apparently based upon resistance to macrophage lysosomal enzymic digestion

Enzymes
Chapman, C. R.; and Coles, G. C., 1977, Parasitology, v. 75 (2), xxi [Abstract]
Fasciola hepatica, hydrolytic enzymes possibly involved in digestion

Enzymes
Chapman, H. D., 1977, Parasitology, v. 75 (2), xxvi [Abstract]
Eimeria tenella, effect of different enzymes on in vitro excystation

Enzymes
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Biomphalaria glabrata totally or partially resistant to Schistosoma mansoni, acid phosphatase demonstrated in isolated granulocytes and used as marker to determine that cells comprising capsule surrounding mother sporocysts are granulocytes, process of encapsulation involves two stages, host cellular responses do not occur in susceptible snails

Enzymes
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lipase activity in hemolymph of Biomphalaria glabrata challenged with bacterial lipids

Enzymes
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Trypanosoma equiperdum, L-alpha-glycerophosphate oxidase activity in microbodies, 4 drugs known to alter microbody function and/or morphology in mammalian cells had no detectable effect on course of T. equiperdum parasitemia

Enzymes
Dave, D.; Gutteridge, W. E.; and Richards, W. H. G., 1976, Parasitology, v. 73 (2), xvii [Abstract]
Plasmodium spp., conversion of dihydroorotate to orotate, activities were irreversible, required O_2, and were inhibited by CN^- and Antimycin A, no involvement of reduced pteridines or pyridine nucleotides detected, this area of metabolism may be important site for selective drug action

Enzymes
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Plasmodium berghei nigeriensis sporogonic stages, acid phosphatase and beta-glucuronidase not detected within parasite itself but clearly seen within mosquito epithelial cells, aryl sulphatase detected within oocysts

Enzymes
Davies, E. E., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 4 [Demonstration]
Plasmodium berghei nigeriensis, host and parasite enzymes, detection within sporogonic stages

Enzymes
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Entamoeba histolytica, plasmalemmal modifications in vivo

Enzymes
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Leishmania donovani, L. braziliensis, L. tropica, rapid identification by radiorespirometry

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Hymenolepis diminuta, activity of glycogen synthase as a function of development and with crowding

Enzymes
Dendinger, J. E.; and Roberts, L. S., 1977, Comp. Biochem. and Physiol., v. 58 (3B), 231-236
Hymenolepis diminuta, glycogen synthase, control of enzyme activity by glucose and glycogen

Enzymes
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Trypanosoma cruzi, growth inhibition by allopurinol, both purines and pyrimidines required for reversal, actual inhibitor is allopurinol ribotide (not free base) acting on orotidine 5'-phosphate decarboxylase

Enzymes
Dewey, V. C.; and Kidder, G. W., 1977, Canad. J. Biochem., v. 55 (1), 110-112
Crithidia fasciculata, inhibited growth with adenine analog, 4-aminopyrazolo(3,4-d) pyrimidine, adenine plus a pyrimidine (or a pyrimidine derivative) necessary for reversal of inhibition, adenine analog not inhibitory to enzymes of pyrimidine biosynthetic pathway; if not for its untoward effects in mammals, 4-APP might be suggested as possible therapeutic agent in trypanosomal infections

Enzymes
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mixed gastro-intestinal nematode infections, calves, effects on host intestinal enzymes

Enzymes
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Trypanosoma cruzi epimastigotes, peroxidase activity localized in microbodies, electron microscopy

Enzymes
Douch, P. G. C., 1976, Xenobiotica, v. 6 (7), 399-404
Moniezia expansa, azo- and nitro-reductases, substrate specificity, reaction products, effects of flavins and other inhibitors and of activators

Enzymes
Douch, P. G. C., 1976, Xenobiotica, v. 6 (9), 531-536
Ascaris lumbricoides var suum, Moniezia expansa, azo- and nitro-reductase activities, absence of cytochromes P-450 and b_5, possible new approach for development of anthelmintic drugs

Enzymes
Douch, P. G. C.; and Gahagan, H. M., 1976, Xenobiotica, v. 6 (12), 769-773
Moniezia expansa, N-deacetylase activity, subcellular localization and some properties

Enzymes
Douch, P. G. C.; and Gahagan, H. M., 1977, Xenobiotica, v. 7 (5), 301-307
Moniezia expansa, Ascaris lumbricoides var suum, reduction and/or hydrolysis of niclosamide and related compounds by intact helminths and by enzyme preparations from the helminths and from mouse and sheep liver homogenates, reduction of niclosamide inhibited by allopurinol, indicates that coadministration of niclosamide and allopurinol might improve efficacy of anthelmintic, hydrolysis of benzanilide and related compounds inhibited by anthelmintic organophosphates

Enzymes
Douch, P. G. C.; and Gahagan, H. M., 1977, Xenobiotica, v. 7 (5), 309-314
Ascaris lumbricoides var suum, N-deacetylase, localization and some properties, inhibition by anthelmintic organophosphates indicates they have potential use as adjuvants for anthelmintics of other chemical classes

Enzymes
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Minchinia nelsoni disease development in susceptible oysters, Crassostrea virginica, alterations in hemolymph protein, aspartate and alanine aminotransferases, and phosphohexose isomerase, host metabolic changes; possible humoral defense mechanisms

Enzymes
Dragoni, G.; Locatelli, A.; and Simonic, T., 1972, Parassitologia, v. 14 (2-3), 309-310
Fasciola hepatica, adenyl cyclase activity, basal and fluoride-stimulated conditions, fluoride ion increases activity more than 200 times

Enzymes
Dresden, M. H.; and Edlin, E. M., 1975, J. Parasitol., v. 61 (3), 398-402
Schistosoma mansoni, cercariae, localization and quantitation of calcium in preacetabular glands, in vitro inhibition of protease activity by high levels of calcium, possible function in controlling protease activity in situ

Enzymes
Dresden, M. H.; Lewis, J. C.; and Krisko, I., 1977, J. Parasitol., v. 63 (5), 941-943
Schistosoma mansoni, proteolytic action of cercarial proteases against human skin and wool keratins and against non-collagenous protein components of bovine basement membrane proteins

Enzymes
Droller, M. J.; and Remington, J. S., 1975, Cellular Immunol., v. 19 (2), 349-355
Toxoplasma-infected mice, correlation between decrease in adenyl cyclase activity in lymphocytes and macrophages and resistance to tumor growth, data suggest that production of cyclic AMP by lymphocytes is inhibited with activation of certain cell-mediated immune functions

Enzymes
Dwivedi, S. K.; and Gautam, O. P., 1977, Indian J. Animal Sc., v. 47 (8), 455-457
Babesia bigemina, calves (exper.), glutamic oxalacetic transaminase and glutamic pyruvic transaminase serum levels

Enzymes
Dwivedi, S. K.; Gautam, O. P.; and Verma, B. B., 1977, Indian Vet. J., v. 54 (2), 108-110
Trypanosoma evansi, dogs (exper.), serum transaminase activities, insufficient changes for use as diagnostic tool

Enzymes
Ebert, F., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 517-524
Leishmania donovani strains, characterization by disc electrophoresis, patterns of general protein staining, unspecific esterase, alkaline and acid phosphatases, species-specific fractions which may be instrumental in identification

Enzymes
Ebert, F., 1974, Tropenmed. u. Parasitol., v. 25 (1), 49-53
Leishmania tropica strains, electrophoretic patterns for proteins and enzymes which made characterization of strains possible, taxon-specific esterase bands which could be used in differentiating from L. donovani

Enzymes
Ebert, F., 1974, Tropenmed. u. Parasitol., v. 25 (3), 259-266
Leishmania spp. of the New World, comparative electrophoretic studies on proteins, esterases, relationships to Leishmania donovani and L. tropica, use of species-specific enzyme patterns in differentiating species and strains

Enzymes
Edwards, C.; and Lloyd, D., 1977, J. Gen. Microbiol., v. 100 (2), 339-346
Crithidia fasciculata, subcellular fractionation by differential and zonal centrifugation of digitonin-treated suspension; distribution of enzymes after fractionation; lysosomes and mitochondria separated

Enzymes
El-Abdin, Y. Z.; et al., 1975, Egypt. J. Vet. Sc., v. 12 (1), 31-43
serum constituents and serum enzyme activities, normal and nematode infested Camelus dromedarius: Cairo abattoir

Enzymes
El-Abdin, Y. Z.; Mossalam, I.; and Hamza, S. M., 1975, Egypt. J. Vet. Sc., v. 12 (2), 143-152
Neoascaris vitulorum, buffalo calves, blood picture, biochemical blood constituents, enzyme activities, before and after treatment with Concurat

Enzymes
El-On, J.; and Bradley, D. J., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 281-282 [Demonstration]
cell lysates of splenocytes and peritoneal exudate cells from normal uninfected mice, analytical disc-electrophoresis and enzyme activity, comparison of animals susceptible vs. resistant to visceral leishmaniasis

Enzymes
Enigk, K.; and Dey-Hazra, A., 1976, Vet. Parasitol., v. 2 (2), 177-185
Eimeria necatrix, chickens, maltase and saccharase activity of intestinal mucosa during mild and severe infections

Enzymes
Enigk, K.; Dey-Hazra, A.; and Eduardo, S. L., 1976, J. Comp. Path., v. 86 (2), 243-250
Strongyloides ransomi, pathogenesis in pigs, activity of disaccharidases and dipeptidases of intestinal mucosa during mild and severe infections

Enzymes
Enigk, K.; Feder, H.; and Dey-Hazra, A., 1976, Zentralbl. Vet.-Med., Reihe B , v. 23 (3), 255-264
Taenia hydatigena, pigs, sheep, normal and high mineral diets, mineral, enzyme, and fatty acid content of cysts and of host blood

Enzymes
Enriquez, G. L.; Ebert, F.; and Muehlpfordt, H., 1977, Tropenmed. u. Parasitol., v. 28 (3), 323-332
Leishmania donovani promastigotes, ultrastructural localization of activities of 2 enzyme systems in culture forms by means of diaminobenzidine techniques

Enzymes
Erickson, D. G.; Barr, J. F.; and Southworth, G. C., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 613-614 [Letter]
Schistosoma japonica, rabbits, serum monamine oxidase activity; possible value in evaluating liver fibrosis

Enzymes
Ernst, S. C., 1975, J. Parasitol., v. 61 (4), 633-647
Schistosoma mansoni, esophagus, cecum, tegument, digestive-absorptive functions, acid phosphatase activity, electron-dense tracers all ingested but none phagocytized

Enzymes
Ezigbo, J. C.; et al., 1976, Parasitology, v. 73 (2), xxxii [Abstract]
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Plasmodium berghei-infected mouse erythrocytes, increase of thymidylate synthetase, kinetic and physical properties, suggests possible target for chemotherapeutic attack

Enzymes
Reissenweber, N. J.; et al., 1975, Ztschr. Parasitenk., v. 48 (1), 25-33
Echinococcus granulosus, hydatid cysts from human lungs, scolices and brood capsules, histochemistry and histoenzymology, enzymes, lipids, glycogen, RNA, metabolic pathways, various types of cells in brood capsules

Enzymes
Reynolds, C. H.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 429-430 [Letter]
Trypanosoma vivax, cattle, concluded that there is no evidence for changes in activity of liver-specific enzymes in serum during non-lethal infection provided that steps are taken to minimize the effect of pyruvate in the enzyme assays

Enzymes
Risby, E. L., 1976, J. Protozool., v. 23 (2), 20A [Abstract]
Crithidia fasciculata, Blastocrithidia culicis, Trypanosoma, phosphohexose isomerase, comparison of characteristics

Enzymes
Robinson, J. M.; and Bogitsh, B. J., 1976, J. Parasitol., v. 62 (5), 761-765
Hymenolepis diminuta, presence of mitochondrial peroxidase, also enzyme cytochemically similar to vertebrate cytochrome c-oxidase

Enzymes
Rodgi, S. S.; Patil, H. S.; and Amoji, S. D., 1976, Indian J. Exper. Biol., v. 14 (4), 505-506
Paramphistomum cervi, alkaline phosphatase, histochemical localization, strong reaction in body wall and caecum and egg-containing uterus, weak to moderate activity in other body organs

Enzymes
Rogers, S. H., 1976, Exper. Parasitol., v. 40 (3), 397-405
Schistosomatium douthitti, adults, carbohydrate metabolism, glycolysis is major mechanism for energy production but at least two aerobic pathways exist

Enzymes
Rogers, W. P.; and Brooks, F., 1976, Internat. J. Parasitol., v. 6 (4), 315-319
Haemonchus contortus, suggested that exsheathing fluid contains a zinc metallo-enzyme (probably leucine aminopeptidase) which is involved in process of exsheathment

Enzymes
Rogers, W. P.; and Brooks, F., 1977, Internat. J. Parasitol., v. 7 (1), 61-65
Haemonchus contortus, egg hatching, presence of leucine aminopeptidase and lipase in hatching fluid, inhibition of hatching by 1,10-phenanthroline reversed by Zn^{2+}

Enzymes
Rogerson, G. W.; and Gutteridge, W. E., 1976, Parasitology, v. 73 (2), xv [Abstract]
Trypanosoma cruzi, culture epimastigotes, blood trypomastigotes, intracellular amastigote stages, enzymes of energy metabolism, results suggest presence of functional tricarboxylic acid cycle in all stages

Enzymes
Rogerson, G. W.; and Gutteridge, W. E., 1977, J. Protozool., v. 24 (4), 42A [Abstract]
Trypanosoma cruzi, culture epimastigotes, blood trypomastigotes, and intracellular amastigotes, cytochromes aa_3, o, and b identified in all 3 forms, cytochrome c observed in culture forms

Enzymes
Rollinson, D., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 436-437 [Demonstration]
Eimeria spp., attempted differentiation of chicken coccidia by electrophoretic variation of enzymes

Enzymes
Rollinson, D., 1976, Parasitology, v. 73 (2), iv [Abstract]
Eimeria mivati, E. acervulina, electrophoretic forms of enzymes, high frequency of interspecific variation, crosses produce strains characterized by glucose phosphate isomerase-2 (characteristic of E. acervulina) and ability to passage in eggs (E. mivati), results support Long's view that E. mivati Houghton isolate belongs to species E. acervulina

Enzymes
Rollinson, D., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 21-22 [Demonstration]
Eimeria spp. of mammals, electrophoretic techniques to differentiate spp. by variations in mobility of enzymes

Enzymes
Romanowski, R. D.; et al., 1975, J. Parasitol., v. 61 (4), 777-778
Haemonchus contortus, cambendazole-resistant vs. -sensitive strains, effect on fumarate reductase of cambendazole, thiabendazole, and levamisole

Enzymes
Romestand, B.; and Trilles, J. P., 1976, Ztschr. Parasitenk., v. 50 (1), 87-92
Meinertia oestroides, anticlotting factor in cephalothoracic latero-oesophageal glands, action and chemical nature studied, antithrombinic factor similar to heparin; enzymatic activities of latero-oesophageal glands and hepatopancreas

Enzymes
Rose, N. R.; Milisauskas, V.; and Zeff, G., 1975, Immunol. Commun., v. 4 (1), 1-16
antigenic and enzymatic changes in infected (including by Toxoplasma gondii) and transformed human diploid cells

Enzymes
Ross, G. C., 1976, Comp. Biochem. and Physiol., v. 55 (3B), 343-346
Schistosoma spp., isoenzymes, lactate dehydrogenase, malate dehydrogenase, acid phosphatase, isoelectric focusing in polyacrylamide gel, possible applications in taxonomy and diagnosis, factors considered in assessing results (include age and sex of parasite, host relationships, etc.)

Enzymes
Rothwell, T. L. W.; et al., 1976, Vet. Parasitol., v. 1 (3), 221-230
14 common gastrointestinal nematodes, incidence and specificity of anti-acetylcholinesterase antibodies in infected hosts, results show that anti-AChE antibody production occurs in infections with some but not all genera of Strongylida, that not all infected hosts produce detectable antibody, and that the enzyme appears to be genus but not species specific

Enzymes
Rotmans, J. P., 1977, Trop. and Geogr. Med., v. 29 (2), 206 [Abstract]
Schistosoma mansoni, isolation and characterization of enzymes present in worm gut for possible use in immunodiagnostic tests

Enzymes
Rotmans, J. P.; and Deelder, A. M., 1977, Trop. and Geogr. Med., v. 29 (3), 319 [Abstract]
Schistosoma mansoni, purification of schistosome enzymes, possible use for immunodiagnosis

Enzymes
Rubin, H.; and Trelease, R. N., 1976, J. Cell Biol., v. 70 (2, pt. 1), 374-383
Ascaris suum larvae, evidence favors localization of glyoxylate cycle enzymes in mitochondria

Enzymes
Ruff, M. D.; et al., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (3), 297-307
Babesia gibsoni, serum levels of various enzymes in infected dogs with respect to possible liver damage

Enzymes
Ruitenberg, E. J.; Teppema, J. S.; and Steerenberg, P. A., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 319-326
Trichinella spiralis intestinal phase, no evidence found for immunity-induced changes in enzyme histochemical staining pattern of adult worms, detection of antigen or of antigen-antibody complexes using bridge immuno-peroxidase anti-peroxidase technique, immunoglobulins found around cuticle of adult worms even in ATS-treated animals

Enzymes
Salah, L. A.; et al., 1976, J. Trop. Med. and Hyg., v. 79 (12), 270-274
Schistosoma mansoni, activity of serum enzymes of hepatic origin in men with active hepatic schistosomiasis and effect of niridazole therapy on enzyme activity

Enzymes
Samuels, R.; and Pratt, M., 1975, J. Protozool., v. 22 (3), 21A [Abstract]
Tritrichomonas augusta, β-galactosidases, partial characterization

Enzymes
Sanderson, B. E.; Jenkins, D. C.; and Phillipson, R. F., 1976, Internat. J. Parasitol., v. 6 (2), 99-102
Nippostrongylus brasiliensis, relation between changes in host immunity and worm acetylcholinesterase levels, results indicate that immunity-associated cholinesterase increase is to some extent reversible

Enzymes
Sargeaunt, P. G.; and Williams, J. E., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 385-386 [Demonstration]
Entamoeba histolytica, enzyme electrophoresis patterns established

Enzymes
Sasi, P. K.; and Kaleysaraj, R., 1975, Experientia, v. 31 (11), 1261-1262
Ascaris lumbricoides, incubation in medium containing sub-lethal concentrations of piperazine, decreased phospholipid level, partial stimulation of phospholipase C activity, partial inhibition of choline kinase activity

Enzymes
Saxon, D. J.; and Dunagan, T. T., 1976, Comp. Biochem. and Physiol., v. 55 (3B), 377-380
Macracanthorhynchus hirudinaceus vs. Neoechinorhynchus spp., pentose phosphate pathway enzymes, specific activities at different incubation temperatures, relationship to body temperature of homothermic vs. poikilothermic hosts

Enzymes
Saz, H. J.; and Dunbar, G. A., 1975, J. Parasitol., v. 61 (5), 794-801
Litomosoides carinii, Dipetalonema witei, Brugia pahangi, stibophen, inhibition of phosphofructokinase and lactate formation, effect on internal hexose phosphate accumulation, inhibition of aldolase, comparison with potassium antimony tartrate (inhibits PFK at higher concentrations but not aldolase); Ascaris suum, Hymenolepis diminuta, stibophen inhibition of phosphofructokinase

Enzymes
Schelp, F. P.; et al., 1977, Tropenmed. u. Parasitol., v. 28 (3), 319-322
human falciparum malaria, effect of parasitism untreated for 2-4 days or 5-10 days on the host serum protein pattern, hematocrit levels, SGOT activity, and blood creatinine; measurement of these parameters may give evidence of duration and severity of infection

Enzymes
Schleger, A. V.; and Lincoln, D. T., 1976, Austral. J. Biol. Sc., v. 29 (5-6), 487-497
Boophilus microplus larvae feeding on calves, demonstration and characterization of tick enzymes secreted into host at attachment site, probable role as antigens

Enzymes
Schmale, H.; and Becker, W., 1977, Comp. Biochem. and Physiol., v. 58 (4B), 321-330
Biomphalaria glabrata, urea cycle enzymes, activity changes under different physiological conditions (including infection with Schistosoma mansoni)

Enzymes
Schmidt, G.; Walter, R. D.; and Koenigk, E., 1974, Tropenmed. u. Parasitol., v. 25 (3), 301-308
adenosine kinase from normal mouse erythrocytes and from Plasmodium chabaudi, partial purification and characterization, comparison

Enzymes
Schmidt, G.; Walter, R. D.; and Koenigk, E., 1975, Tropenmed. u. Parasitol., v. 26 (1), 19-26
Trypanosoma gambiense, purine nucleoside hydrolase obtained from parasite, purification and characterization, inhibitory effects of substrate analogs, salvage synthesis of adenosine monophosphate

Enzymes
Schuntner, C. A.; and Thompson, P. G., 1977, J. Austral. Entom. Soc., v. 15 (4), 1976, 388
Boophilus microplus larvae, formamidine derivatives, inhibition of carbaryl oxidizing enzyme as primary lesion in lethal action

Enzymes
Schuster, J.; et al., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 487-499
Schistosoma mansoni-infected Mastomys natalensis under treatment with hycanthone, pathophysiological and toxicological aspects of infection, serum enzyme activity, hepatotoxic effect of drug at higher dosages

Enzymes
Scorza, C.; and Scorza, J. V., 1972, J. Reticuloendothel. Soc., v. 11 (6), 604-616
Trypanosoma cruzi, rats, active phagocytosis of parasites by inflammatory macrophages in auricles of heart 11 days after infection, formation of phagosomes and of phagolysosomes and alterations in ingested parasites, role of acid phosphatase in alterations of phagocytized parasites

Enzymes
Segura, E. L.; et al., 1974, J. Protozool., v. 21 (4), 571-574
Trypanosoma cruzi epimastigotes from cultures, separation into fractions (nuclear, mitochondrial, lysosomal, microsomal, and cell-sap), DNA, RNA content and enzyme markers of fractions, subcellular localization of antigens by Ouchterlony tests in cell-sap and microsomal fractions

Enzymes
Seliukaite, Z.; and Semenov, V. M., 1976, Tsitologiia, v. 18 (1), 91-97
Trichomonas muris, trophonts, ultrastructural and cytochemical peculiarities, absence of mitochondria

Enzymes
Senft, A. W.; and Maddison, S. E., 1975, Am. J. Trop. Med. and Hyg., v. 24 (1), 83-89
proteolytic enzyme of Schistosoma mansoni induced histaminic skin reactions in laboratory animals without cross reactions from other Schistosoma spp., preliminary skin test trials in humans suggest value as diagnostic test for schistosomiasis

Enzymes
Serrano, R.; Deas, J. E.; and Warren, L. G., 1977, Exper. Parasitol., v. 41 (2), 370-384
Entamoeba histolytica, cell fractionation study, isolation and electron microscopy of two membrane fractions, properties and distribution of marker enzymes, chemical analysis of fractions, electrophoretic patterns of membrane polypeptides, glucose transport

Enzymes
Sharma, P. N., 1976, Ztschr. Parasitenk., v. 49 (3), 223-231
digenetic trematodes, distribution of alkaline phosphatase, acid phosphatase, 5-nucleotidase and ATPase in various reproductive tissues

Enzymes
Sharma, R. K.; Singh, K.; and Sharma, P. K., 1976, Ztschr. Parasitenk., v. 49 (2), 187-192
Stephanurus dentatus, non-specific phosphomonoesterases, activity, distribution in various tissues

Enzymes
Sharpe, M. J.; and Lee, D. L., 1977, Parasitology, v. 75 (2), xvi [Abstract]
Trichostrongylus colubriformis, Nematospiroides dubius, effect of levamisole on adenylate energy charge and on levels of acetylcholinesterase

Enzymes
Shirley, M. W., 1975, J. Protozool., v. 22 (3), 55A-56A [Abstract]
Eimeria spp., lactate dehydrogenase, glucose phosphate isomerase, characteristic electrophoretic mobilities for different species, parasite identification and other possible applications

Enzymes
Shirley, M. W.; and Lee, D. L., 1977, J. Parasitol., v. 63 (2), 390-392
Eimeria spp., isoelectric focusing of enzymes, compared with starch gel electrophoresis, inter- and intraspecies differences

Enzymes
Shirley, M. W.; Millard, B. J.; and Long, P. L., 1977, Parasitology, v. 75 (2), 165-176
Eimeria acervulina var. diminuta and Eimeria acervulina var. mivati compared, growth in vitro, response to anticoccidial drugs, electrophoretic mobility profiles of four enzymes

Enzymes
Shishova-Kasatochkina, O. A.; and Pavlov, A. V., 1969, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 20, 195-204
factor influencing resistance of helminths to host proteolytic enzymes (enzyme inhibitors secreted by helminths, chemical structure of worm cuticle, specificity of host proteolytic enzymes and structure and composition of protein molecules in helminths), review

Enzymes
da Silveira, J. F.; Zingales, B.; and Colli, W., 1977, Biochim, et Biophys. Acta, v. 481 (2), 722-733
Trypanosoma cruzi, particulate preparations from epimastigote forms, characterization of an adenylyl cyclase activity

Enzymes
Silvestri G., R.; Himes, J. A.; and Edds, G. T., 1975, Am. J. Vet. Research, v. 36 (3), 283-287
sheep (adult Florida Native wethers), effect of oral administration of coumaphos alone or with trichlorfon on erythrocyte acetylcholinesterase and other blood constituents

Enzymes
Silvestri G., R.; Himes, J. A.; and Edds, G. T., 1975, Am. J. Vet. Research, v. 36 (3), 289-292
sheep (ewes and wethers), interaction of coumaphos with trichlorfon, bishydroxycoumarin (an anticoagulant), or phenobarbital sodium (as possible modifier of toxicity), erythrocyte acetylcholinesterase activity and other blood values

Enzymes
Simha, S. S.; and Rao, L. N., 1977, Proc. Indian Acad. Sc., Sect. B., v. 86 (5), 311-321
Singhiatrema longifurca, Paradistomoides orientalis, fine nerve arrangement, presumptive neurosecretory cells and sensory receptors, distribution of esterases

Enzymes
Simon, M. W.; Rusnak, J. M.; and Mukkada, A. J., 1976, Exper. Parasitol., v. 39 (1), 51-58
Leishmania tropica promastigotes in vitro, sensitivity to toxic effects of bilirubin (loss of viability, decreased sugar and amino acid uptake, increased efflux of intracellular sugars, hexokinase activity, lowered respiration), results suggest irreversible damage to cell membrane, possible culture loss if bilirubin concentration of hemoglobin solution used is too high

Enzymes
Simonic, T.; Sartorelli, P.; and Locatelli, A., 1975, Ann. Parasitol., v. 50 (4), 461-468
Fasciola hepatica homogenates, cyclic AMP phosphodiesterase activity under basal conditions and after addition of various substances

Enzymes
Simpson, A. M.; and Simpson, L., 1974, J. Protozool., v. 21 (2), 379-382
continuous labeling of Crithidia fasciculata DNA with [^{3}H]thymidine is hindered by apparent presence of a thymidine phosphorylase-like enzyme activity

Enzymes
Sinclair, K. B., 1975, Research Vet. Sc., v. 19 (3), 296-303
Fasciola hepatica, sheep exposed to preliminary and challenge infections, pathophysiology (circulating eosinophils, plasma proteins, and glutamate dehydrogenase, voluntary dry matter intake, plasma loss in feces), no evidence of acquired resistance to physiological effects of infection

Enzymes
Smallman, B. N.; and Riddles, P. W., 1977, Pesticide Biochem. and Physiol., v. 7 (4), 355-359
Boophilus microplus, choline acetyltransferase activity uniform between organophosphorus-resistant and -susceptible strains, concluded that two enzymic components of cholinergic system are controlled independently

Enzymes
Smith, T. M.; and Brown, J. N., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 329-330
Schistosoma mansoni, S. japonicum, tricarboxylic acid cycle enzymes of adults of both species compared with previously published findings, results suggest that anaerobic glycolysis is the major energy source in adults of both species

Enzymes
Smith, T. M.; and Brown, J. N., 1977, Comp. Biochem. and Physiol., v. 56 (3B), 351-352
Schistosoma mansoni, S. japonicum, comparison of glucose-6-phosphate dehydrogenase and 6-phosphogluconate dehydrogenase activities in adults, data suggest species difference in 6-phosphogluconate metabolism

Enzymes
Southgate, V. R.; and Knowles, R. J., 1976, Parasitology, v. 73 (2), v-vi [Abstract]
Schistosoma margrebowiei, compatible with Bulinus tropicus group snails and B. truncatus and B. reticulatus groups, partially compatible with some B. forskali group, and incompatible with B. africanus group; course of infection and pathogenicity in hamsters; miracidium has epidermal cell formula of 6, 9, 4, and 3; haploid chromosome number is n = 8; isoelectric focusing of isoenzymes demonstrated interspecific differences from S. mattheei and S. leiperi

Enzymes
Srivastava, M.; and Gupta, S. P., 1976, Ztschr. Parasitenk., v. 49 (1), 93-96
Isoparorchis hypselobagri, egg shell formation, histochemical identification of proteins, phenols, and phenolase in vitelline globules, presence of quinone tanning system confirmed as shell formation mechanism

Enzymes
Stevens, A. R.; et al., 1977, J. Protozool., v. 24 (2), 316-324
Acanthamoeba castellanii, A. culbertsoni, isolation and purity of plasma membrane antigens (electron microscopy, assays of marker enzymes), antisera raised against these antigens tested against homologous and heterologous Acanthamoeba spp. in agglutination and immunofluorescence tests, results strongly indicate value of plasma membrane antisera for immunotaxonomy and immunodiagnosis of Acanthamoeba

Enzymes
Stibbs, H. H.; and Seed, J. R., 1973, J. Protozool., v. 20 (4), 503
Trypanosoma brucei gambiense-infected Microtus montanus, elevated serum tyrosine transaminase levels, high levels of this enzyme found in sonicated preparations of parasite itself

Enzymes
Stibbs, H. H.; and Seed, J. R., 1976, Exper. Parasitol., v. 39 (1), 1-6
Trypanosoma brucei gambiense, chronically infected Microtus montanus, elevated serum and hepatic tyrosine aminotransferase, high serum levels may result from lysis of parasites (possibly due to agglutination by antibody) containing high levels of enzyme, implications for catecholamine metabolism and consequently for pathologic behavioral syndrome

Enzymes
Stone, B. F.; Nolan, J.; and Schuntner, C. A., 1976, Austral. J. Biol. Sc., v. 29 (3), 265-279
Boophilus microplus, 3 strains, biochemical genetics of resistance to organophosphorus acaricides: inheritance of decreased brain acetylcholinesterase activity, inheritance of decreased AChE sensitivity, inheritance of increased detoxication

Enzymes
Stone, B. F.; Wilson, J. T.; and Youlton, N. J., 1976, Austral. J. Biol. Sc., v. 29 (3), 251-263
Boophilus microplus, 3 strains, linkage and dominance characteristics of genes for resistance to organophosphorus acaricides and allelic inheritance of decreased brain cholinesterase activity

Enzymes
Stone, D. B.; and Mansour, T. E., 1967, Molec. Pharm., v. 3 (2), 161-176
Fasciola hepatica, phosphofructokinase, isolation, activation by adenosine 3',5'-phosphate and by serotonin

Enzymes
Stone, D. B.; and Mansour, T. E., 1967, Molec. Pharm., v. 3 (2), 177-187
Fasciola hepatica, phosphofructokinase, kinetic properties

Enzymes
Stringfellow, F., 1976, Proc. Helminth. Soc. Washington, v. 43 (2), 206-211
Pelodera strongyloides in culture, determination of presence and distribution of carbonic anhydrase in worms, addition of diamox to cultures resulted in inhibition of carbonic anhydrase, reduced quantity of ammonia nitrogen production, and decreased ability of worms to find each other

Enzymes
Takayanagi, T.; Enriquez, G. L.; and Kambara, H., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (3), 308-312
Trichomonas vaginalis, determination of amylase isozymes by starch gel electrophoresis in order to establish parasite strains

Enzymes
Takemoto, Y.; et al., 1977, Bull. Univ. Osaka Prefect., s. B, Agric. and Biol., v. 29, 32-41
Fasciola sp., Macaca monkeys, alterations in total and individual serum proteins, total serum bilirubin, various serum enzyme activities

Enzymes
Takeuchi, T.; Weinbach, E. C.; and Diamond, L. S., 1977, Exper. Parasitol., v. 43 (1), 107-114
Entamoeba histolytica, phosphorylase, particulate glycogen, subcellular distribution, characterization, particulate glycogen may be polysaccharide-protein complex

Enzymes
Takeuchi, T.; Weinbach, E. C.; and Diamond, L. S., 1977, Exper. Parasitol., v. 43 (1), 115-121
Entamoeba histolytica, phosphoglucomutase, uridine diphosphate glucose pyrophosphorylase, glycogen synthase, subcellular distribution, characterization

Enzymes
Takizawa, H.; Vivier, E.; and Petitprez, A., 1975, J. Protozool., v. 22 (3), 359-368
Nosema bombycis, cytochemistry, presence of nucleic acids, polysaccharides, and acid phosphatases demonstrated, localization in various stages of development from schizont to spore

Enzymes
Terwedow, H. A., jr.; and Huff, R. L., 1976, J. Parasitol., v. 62 (1), 172-174
Wuchereria bancrofti microfilariae, localization and pattern of acid phosphatase activity, possible taxonomic tool in differentiating microfilariae of different species but strain and technique variation must be taken into account

Enzymes
Theakston, R. D. G.; and Fletcher, K. A., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 16-17 [Demonstration]
Plasmodium spp., 6-phosphogluconate dehydrogenase in infected erythrocytes, activity present in parasite cytoplasm as well as in host cell

Enzymes
Theakston, R. D. G.; Fletcher, K. A.; and Moore, G. A., 1976, Ann. Trop. Med. and Parasitol., v. 70 (1), 125-127
Plasmodium falciparum-infected human erythrocytes, glucose-6-phosphate and 6-phosphogluconate dehydrogenase activity

Enzymes
Thomas, R. J.; and Waller, P. J., 1975, Vet. Rec., v. 97 (24), 468-471
Ostertagia circumcincta, lambs naturally infected on pasture from spring to autumn, faecal egg counts, worm counts, serum pepsinogen levels, body weights, correlations; serum pepsinogen estimations as possible diagnostic test

Enzymes
Tizard, I. R.; et al., 1977, Experientia, v. 33 (7), 901-902
Trypanosoma congolense, hemolytic activity is due to presence of free fatty acids generated by action of phospholipase A on endogenous phosphatidyl choline, some lysolecithin also contributes to lytic activity, T. lewisi is devoid of phospholipase A and does not generate free fatty acids and is therefore non-hemolytic

Enzymes
Tkachuck, R. D.; et al., 1977, J. Parasitol., v. 63 (5), 769-774
Spirometra mansonoides, methylmalonyl CoA mutase and propionyl CoA carboxylase, presence and possible function

Enzymes
Tkachuck, R. D.; Weinstein, P. P.; and Mueller, J. F., 1976, J. Parasitol., v. 62 (6), 948-950
Spirometra mansonoides adults, isolation of cobamide coenzyme (light-sensitive vitamin B_{12} derivative) and identification as adenosylcobalamin

Enzymes
Toye, P. J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 147 [Abstract]
Trypanosoma cruzi, isoenzyme variation in culture isolates

Enzymes
Toye, P. J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 266 [Demonstration]
Trypanosoma rangeli, T. cruzi, T. lewisi, differentiation of enzyme patterns of culture forms

Enzymes
Trigg, P. I.; and Shakespeare, P. G., 1976, Parasitology, v. 73 (2), 149-160
changes in uninfected rhesus monkey erythrocytes incubated in vitro (osmotic fragility, acetylthiocholinesterase activity, glucose catabolism, ATP content) in relation to susceptibility of these cells to invasion by Plasmodium knowlesi, results suggest that maintenance of erythrocyte surface integrity is necessary prerequisite for efficient culture system for malaria parasite

Enzymes
Tsang, V. C. W.; Hubbard, W. J.; and Damian, R. T., 1977, Am. J. Trop. Med. and Hyg., v. 26 (2), 243-247
Schistosoma mansoni, presence of schistosomal inhibitor for the intrinsic blood coagulation pathway of host which is capable of specifically blocking the enzymatic activation of pre-plasma thromboplastin antecedent by activated Hageman factor

Enzymes
Tsukamoto, M., 1974, Nettai Igaku (Trop. Med.), v. 16 (2), 55-69
Plasmodium berghei, diagnostic differentiation of enzymes by polyacrylamide gel electrophoresis

Enzymes
Ukoli, F. M. A., 1973, Malacol. Rev., v. 6 (1), 47-48
Schistosoma mansoni, Biomphalaria vector snails, species differentiation, foot muscle esterases, application to infectivity studies: Africa

Enzymes
Ukoli, F. M. A., 1974, Malacol. Rev., v. 7 (1), 15-24
Schistosoma haematobium, differentiation of Biomphalaria spp. snail vectors through electrophoretic studies on foot muscle esterases

Enzymes
Venkatesan, S.; Bird, R. G.; and Ormerod, W. E., 1977, Internat. J. Parasitol., v. 7 (2), 139-147
Trypanosoma brucei rhodesiense, intracellular enzymes and their localization in slender and stumpy forms, possible relation to lipid content

Enzymes
Venkatesan, S.; and Ormerod, W. E., 1973, J. Protozool., v. 20 (4), 529
Trypanosoma brucei, long-thin vs. short-stumpy forms, differences in lipids and in lysosomal enzymes, short-stumpy considered to be degenerate form as result of action of hydrolytic enzymes released at lyso-phagosomal junction, thus disease remission occurs as result of action of lysosomal enzymes rather than antibody activity

Enzymes
Vercelli-Retta, J.; et al., 1975, Ztschr. Parasitenk., v. 48 (1), 15-23
Echinococcus granulosus, hydatid cysts from human and bovine lungs, germinal membrane, histochemistry and histoenzymology, enzymes, lipids, metabolic pathways, possible endocrine system; possible future pharmacological studies for interference with parasite development

Enzymes
Vessal, M.; and Abdolrasulnia, R., 1976, Clin. Chim. Acta, v. 68 (1), 59-65
Echinococcus granulosus, protoscolices from ovine liver, phosphoglucose isomerase, partial purification, properties, comparison with properties of hydatid cyst fluid and healthy ovine liver enzymes

Enzymes
Vetterling, J. M.; and Waldrop, H. R., 1976, J. Protozool., v. 23 (3), 397-402
Eimeria tenella and chick kidney cell cultures, demonstration of phosphatases, effect of fixation (type, concentration, and duration)

Enzymes
Villegas-Gonzalez, J.; and Fastag de Shor, A., 1974, Bol. Med. Hosp. Inf., v. 31 (1), 35-49
Entamoeba histolytica, children, invasive amoebiasis, pathologic review of autopsies; comparison axenic and monoxenic cultures, multiple enzymes present, relationship between acid phosphatase and invasive capacity of parasite

Enzymes
Visvesvara, G. S.; and Balamuth, W., 1975, J. Protozool., v. 22 (2), 245-256
Acanthamoeba, Naegleria, Hartmannella, comparative studies on free-living and pathogenic amebae: cyst structure; nutrition; protein composition; immunology; cell free plaques and other cytopathic effects; phospholipase liberation; sensitivity to amphotericin B

Enzymes
Vivares, C. P.; Trellu, J.; and Ceccaldi, H. J., 1977, Experientia, v. 33 (10), 1311-1312
Thelohania maenadis-infected vs. uninfected Carcinus mediterraneus, electrophoregrams (proteingram and zymogram) of hemolymph proteins, parasitized crabs show increase in chymotrypsin activity and variations in zones of esterase activity

Enzymes
Vivares, C. P.; and Van Wormhoudt, A., 1976, Compt. Rend. Soc. Biol., Paris, v. 170 (1), 71-77
Cephaloidophora conformis in Pachygrapsus marmoratus (caecum digestif anterieur), carbohydrate metabolism of host and parasite: region de Marseille

Enzymes
van Vliet, H. H. D. M.; et al., 1976, J. Cell Biol., v. 71 (2), 357-369
Entamoeba invadens, procedure for subcellular fractionation, isolation of phagolysosomal and plasma membranes, characterization (enzymes, lipids, morphology)

Enzymes
Walker, R. W., 1977, Parasitology, v. 75 (2), xxii-xxiii [Abstract]
Hymenolepis diminuta, Schistocephalus solidus, relationship between temperature change and mitochondrial ATPase activity

Enzymes
Walliker, D., 1976, Symposia Brit. Soc. Parasitol., v. 14, 25-44
Plasmodium, genetic techniques (hybridization and cloning; genetic markers--enzyme polymorphism, drug-resistance, etc.), genetic recombination experiments, genetic factors influencing host-parasite relationships (strain-specific immunity; virulence), symposium presentation

Enzymes
Walter, R. D., 1976, Biochim. et Biophys. Acta, v. 429 (1), 137-146
Trypanosoma gambiense, protein kinase, partial purification and characterization, nucleoside-dependent but cyclic AMP-independent

Enzymes
Walter, R. D., 1976, Tropenmed. u. Parasitol., v. 27 (3), 337-342
Paragonimus africanus, properties of 3',5'-cyclic-AMP-5'-nucleotidohydrolase purified from metacercariae, inhibitory actions of purine derivatives on the enzyme activity

Enzymes
Walter, R. D.; and Koenigk, E., 1974, Tropenmed. u. Parasitol., v. 25 (2), 227-235
Plasmodium chabaudi, hypoxanthine-guanine phosphoribosyltransferase and adenine phosphoribosyltransferase, purification and characterization

Enzymes
Wang, C. C.; and Stotish, R. L., 1975, J. Parasitol., v. 61 (5), 923-927
Eimeria tenella, in vitro excystation, pancreatic chymotrypsin as essential enzyme

Enzymes
Wang, C. C.; Stotish, R. L.; and Poe, M., 1975, J. Protozool., v. 22 (4), 564-568
Eimeria tenella oocysts, dihydrofolate reductase, isolation and purification, kinetic parameters and molecular weight estimate; pyrimethamine is potent inhibitor of activity of E. tenella dihydrofolate reductase but less effective inhibitor of dihydrofolate reductase of chicken liver, difference may explain in vivo therapeutic action of pyrimethamine, opposite results with methotrexate

Enzymes
Wang, C. C.; Weppelman, R. M.; and Lopez-Ramos, B., 1975, J. Protozool., v. 22 (4), 560-564
Eimeria tenella oocysts, amylopectin granules, isolation, purification, composition, identification of amylopectin phosphorylase, preliminary studies on properties and regulation

Enzymes
Warhurst, D. C.; and Thomas, S. C., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 428 [Demonstration]
Plasmodium berghei, chloroquine treatment in vitro causes digestive vesicles containing hemozoin to clump together, competitive inhibition of this clumping by quinine and oligomycin, possibility that clumping site is a membrane ATP-ase used by the intraerythrocytic parasite

Enzymes
Warton, A., 1975, J. Protozool., v. 22 (3), 69A-70A [Abstract]
Trypanosoma cruzi, microbodies (peroxisomes), ultrastructural localization using 3,3'-diaminobenzidine

Enzymes
Warton, A.; and Modlinska, M., 1977, Bull. Acad. Polon. Sc., Cl. II, s. Sc. Biol., v. 24 (10), 1976, 611-613
Trypanosoma cruzi, blood forms, ultrastructural localization of peroxisomes following incubation with diaminobenzidine to demonstrate catalase, electron microscopy, possible metabolic role

Enzymes
Weber, G., 1976, Ztschr. Parasitenk., v. 50 (2), 185
Babesia ovis and B. bigemina in blood films, immunocytochemical detection of catabolic enzymes, possible implications

Enzymes
Weidner, E., 1975, Ztschr. Parasitenk., v. 47 (1), 1-9
Encephalitozoon cuniculi, parasitophorous vacuoles within host peritoneal macrophages, growth by pinocytotic mechanism, movement of substances across vacuole boundary, absence of lysosomal fusion, electron microscopy

Enzymes
Weinbach, E. C.; et al., 1977, Exper. Parasitol., v. 41 (1), 186-197
Entamoeba histolytica, diaphorase activities

Enzymes
Wheater, P. R.; and Wilson, R. A., 1976, Parasitology, v. 72 (1), 99-109
Schistosoma mansoni, tegument, histochemistry, main components are neutral glycoprotein and phospholipid, differentiation from other schistosome tissues on the basis of marker enzymes

Enzymes
Wilkins, D.; and Lee, D. L., 1976, Parasitology, v. 72 (1), 51-63
Histomonas meleagridis, caecal wall and liver of infected turkey poults, changes in amount and distribution of acid and alkaline phosphatase, non-specific esterase, glycogen, lipid, and acid mucopolysaccharide

Enzymes
Willadsen, P., 1976, FEBS Letters, v. 72 (2), 346-349
Boophilus microplus, allergenic activity of a tick esterase

Enzymes
Willadsen, P., 1977, Austral. J. Biol. Sc., v. 30 (5), 411-419
Oesophagostomum radiatum, isolation and partial characterization of α-chymotrypsin inhibitor in the cuticle, hypodermis, and musculature, affinity chromatography compared with ion-exchange and molecular sieve chromatography

Enzymes
Willadsen, P.; and Williams, P. G., 1976, Immunochemistry, v. 13 (7), 591-597
Boophilus microplus larvae, isolation of antigen which produces immediate hypersensitivity reaction in naturally infected cattle, characterized as esterase with molecular weight of approximately 60,000

Enzymes
Wright, C. A.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 287 [Demonstration]
Schistosoma, African strains, characterization and differentiation by enzymes patterns

Enzymes
Wright, C. A.; and Southgate, V. R., 1976, Symposia Brit. Soc. Parasitol., v. 14, 55-86
hybridization of schistosomes (history, reciprocity of interspecific pairings, egg morphology of hybrids, intermediate and definitive host infectivity of hybrids, behavior of hybrid cercariae, isoenzymes of hybrids), review with results of recent work on Schistosoma haematobium X S. intercalatum, practical implications, symposium presentation

Enzymes
Wright, I. G., 1975, Vet. Parasitol., v. 1 (1), 91-96
purification of esterase from Babesia argentina, probable role in in vitro activation of plasma prekallikrein, implications for mechanism of vasodilatory shock and disseminated intravascular coagulation in acute infections

Enzymes
Yeates, R. A.; and Ogilvie, B. M., 1976, J. Immunol. Methods, v. 12 (1-2), 57-65
Nippostrongylus brasiliensis, Necator americanus, measurement of antibodies to an unpurified enzyme (acetylcholinesterase) using an active-site directed radiolabel, cross-reactions between the two species

Enzymes
Yoeli, M., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 24-35
Plasmodium berghei yoelii in mice (exper.), promising model for study of cerebral malaria in man caused by P. falciparum (history, origin of virulent strain, pathology, enzyme differentiation, virulence expressed by mutation and genetic change)

Enzymes
Yoshino, T. P.; and Cheng, T. C., 1977, J. Invert. Path., v. 30 (1), 76-79
Biomphalaria glabrata, aminopeptidase activity in hemolymph and body tissues, possible role of this enzyme relative to resistance to infection (including Schistosoma mansoni)

Enzymes
Zaitseva, G. N.; Mett, I. L.; and Kolesnikov, A. A., 1976, Biokhimiia, v. 41 (8), 1406-1411
Crithidia oncopelti, DNA-dependent RNA-polymerase activity of isolated kinetoplasts, effect of antibiotics and intercalating agents

Enzymes
Zherebkin, M. V., 1976, Apiacta, v. 11 (1), 5-9
Nosema disease, resistance in honey bees, relationship of the enzyme chimozine to peritrophic membrane in midgut and protection against parasite

Eosinophilia. [See also Blood; Immunity, Eosinophils and eosinophilia]

Eosinophilia
Adickman, M.; and Tuthill, T. M., 1976, Postgrad. Med., v. 60 (3), 143-148
pulmonary symptoms and eosinophilia associated with human parasitic infections, diagnostic and clinical review, need for increased awareness in travelers to endemic areas, immigrants and military personnel

Eosinophilia
Aftandelians, R.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 64-71
Capillaria aerophila, granulomatous lesion containing worm removed from lung of child presenting with asthmatic symptoms and eosinophilia, treatment with diethylcarbamazine and thiabendazole relieved symptoms, clinical case report, possible transmission through cat-contaminated play area: Teheran, Iran

Eosinophilia
Balbo, T.; et al., 1973, Ann. Fac. Med. Vet. Torino, v. 20, Suppl., 33-71
Fasciola hepatica, cattle (exper.), clinical and diagnostic aspects (coprology; blood picture; serum proteins; immunological determination of albumins and globulins; serum enzymes; bilirubin; BSF; serum minerals; body weight gain)

Eosinophilia
Baqui, A.; and Ansari, J. A., 1975, Indian J. Zool., v. 3 (1-2), 43-48
Setaria cervi, white rats (blood) (exper.), leucocytic response

Eosinophilia
Barbotin, M.; and Oudart, J. L., 1972, Nouv. Presse Med., v. 1 (17), 1162 [Letter]
possible correlations between human intestinal helminthiasis in the presence of hypereosinophilia and the presence of Australia antigen

Eosinophilia
Barrett-Connor, E.; et al., 1976, J. Infect. Dis., v. 133 (4), 473-477
Trichinella spiralis, outbreak in campers after eating roasted wild pig, diagnosis by eosinophilia and sero-immunologic studies; diagnostic test comparisons, skin-test antigen inconclusive: California (infected in Hawaii)

Eosinophilia
Bradbury, S. M.; Percy, D. H.; and Strejan, G. H., 1974, Internat. Arch. Allergy and Applied Immunol., v. 46 (4), 498-511
Ascaris suum, rats infected with embryonated eggs, characteristic pathological changes in liver and lungs, eosinophilia, production of reaginic antibodies, purified Ascaris antigen (Asc-1) present in all stages of parasite life cycle and directly involved in stimulating reagin production during migratory phase of infection

Eosinophilia
Bulucea, D., 1971, Pediatria, Bucuresti, v. 20 (2), 163-168
mixed ascariasis and lambliasis in young child with persistent eosinophilia which was not relieved by cure of parasitemia, clinical case report: Romania

Eosinophilia
Bulucea, D., 1974, Med. Int., Bucuresti, v. 26 (2), 249-256
ascariasis and Trichocephalus as causes of massive eosinophilia

Eosinophilia
Burke, G. J., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 402-405
10 patients with presumed parasitological disease, circulating absolute eosinophil levels over a 24 hour period, periodicity, steroid administration will not separate parasitic from other causes of eosinophilia

Eosinophilia
Calamel, M.; Soule, C.; and Chevrier, L., 1975, Rec. Med. Vet., v. 151 (12), 777-781
Taenia ovis, sheep, experimental infections with various doses, localization of cysticerci, duration of infection longer with lower doses, persistence of antibodies, eosinophilia

Eosinophilia
Daffalla, A. A.; and Ali Omer, M. I., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (6), 544-545
probable toxocariasis in 7-year old boy with high eosinophilia, fever and abdominal distention; positive toxocaral skin test and fluorescent antibody test, marked improvement with diethylcarbamazine therapy: Gezira area, Sudan

Eosinophilia
Diesfeld, H. J.; Dutta, S. N.; and Braun-Munzinger, R., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 439-446
Wuchereria bancrofti-endemic area, survey of 225 Indians, microfilaremia, fluorescent antibody titer, clinical manifestations, eosinophilia, immunoglobulin levels: Dhanbad/Asansol, India

Eosinophilia
Dobson, C.; and Welch, J. S., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (3), 223-228
survey for antibodies against Dirofilaria immitis, Toxocara canis, Ascaris suum, Angiostrongylus cantonensis, A. mackerrasae, in patients with eosinophilia using fluorescent antibody test and passive reversed Arthus test in guinea pigs; D. immitis implicated as etiologic agent of human eosinophilic meningitis: Australia

Eosinophilia
Draghici, O., 1973, Med. Int., Bucuresti, v. 25 (8), 945-953
clinical manifestations of human Strongyloides stercoralis, eosinophilia changes before and after treatment with telmid or gentian violet, case reports

Eosinophilia
Fay, J. T. ; and Disque, F. C., 1977, Oral Surg., v. 43 (6), 898-901
Strongyloides stercoralis systemic infection in Vietnamese woman discovered as a result of routine biopsy and excision of impacted molar, increased eosinophilia led to medical work-up for possible parasitism, case history, successful treatment with dithiazanine: Georgia

Eosinophilia
Gehrung, E.; et al., 1967, Bol. Chileno Parasitol., v. 22 (1), 37-39
Fasciola hepatica infection in pregnant woman, eosinophil count not elevated resulting in diagnostic problems and surgical intervention, parasite eggs discovered in bile and patient then successfully treated with emetine hydrochloride: Santiago, Chile

Eosinophilia
Germain, P., 1971, Medecine Interne, v. 6 (4), 249-272
diagnosis and clinical aspects of tropical diseases of Africans who have travelled and migrated to non-endemic areas, review

Eosinophilia
Giboda, M.; and Beno, P., 1974, Ceskoslov. Pediat., v. 29 (7), 383-385
Fasciola hepatica, infections in 2 children presenting as eosinophilia, case histories, treatment with bitin successful in one child but symptoms persisted in second: Czechoslovakia

Eosinophilia
Gietko, M.; and Zapart, W., 1975, Pediat. Polska, v. 50 (1), 61-68
visceral larva migrans in young children with severe eosinophilia, diagnosed by intradermal skin test antigens of Ascaris lumbricoides and Toxocara canis

Eosinophilia
Grove, D. I.; Burston, T. O.; and Forbes, I. J., 1974, Clin. and Exper. Immunol., v. 18 (4), 565-569
hookworm-infested population, high serum IgE levels, serum IgE and blood eosinophil levels fell after treatment with pyrantel: Papua New Guinea

Eosinophilia
Gudiol, F.; et al., 1974, Med. Clin., Barcelona, v. 63 (3), 125-137
human Trichinella spiralis, comprehensive resume of finding observed in 22 human infections (predominance of females, inverse relationship to alcoholic consumption, eosinophilia, changes in blood protein levels, metabolic activity of parasitized muscles, treatment with thiabendazole)

Eosinophilia
Haroun, E. M.; and Hussein, M. F., 1975, J. Helminth., v. 49 (3), 143-152
Fasciola gigantica, pathological, haematological, and biochemical aspects of naturally occurring bovine fascioliasis: Sudan

Eosinophilia
Haroun, E. M.; and Hussein, M. F., 1976, J. Helminth., v. 50 (1), 29-30
Fasciola gigantica, calves (exper.), pathological, haematological, and biochemical aspects of infection

Eosinophilia
Hart, R. J.; and Wagner, A. M., 1971, Onderstepoort J. Vet. Research, v. 38 (2), 111-116
Gaigeria pachyscelis, sheep (exper.), pathological physiology (macrocytic normochromic anaemia, hypoproteinaemia, hypocalcaemia, hyperglycaemia, eosinophilia); some fatalities, due primarily to loss of blood

Eosinophilia
Hazel, J. R.; and Grant, A. K., 1969, Med. J. Australia, v. 2 (23), 1159-1160
Strongyloides stercoralis in Australian soldier who had served in South-East Asia, marked eosinophilia, malaise and skin rash as presenting symptoms, case report, cured with thiabendazole

Eosinophilia
Hussein, M. F.; and Tartour, G., 1973, Brit. Vet. J., v. 129 (6), xciv-xcvi
Schistosoma bovis, S. mattheei, calves (exper.), marked changes in serum proteins and eosinophilia, particularly after prepatency

Eosinophilia
Jones, H. I., 1976, Papua N. Guinea Med. J., v. 19 (3), 165-172
Ascaris lumbricoides, Necator americanus, Trichuris trichiura, epidemiologic survey of human helminths in natives of Kar Kar Island, Ascaris infections highest and heaviest in children and principal cause of high eosinophilia in the communities: Madang Province, Papua New Guinea

Eosinophilia
Jorgensen, R. J.; et al., 1975, Vet. Parasitol., v. 1 (2), 151-157
Ascaris suum, piglets (exper.), failure to establish patent infections with primary infection dose of 10,000 eggs, significant eosinophil response; patent infections established with dose of 50 eggs, no significant eosinophil response; mechanism of expulsion of high level infections not known

Eosinophilia
Juels, C. W.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (6, pt. 1), 942-944
Phocanema sp. larva coughed up from throat of man several days after he had eaten raw fish, case report, evidence of possible temporary tissue invasion because of mild transitory eosinophilia: California

Eosinophilia
Lagardere, B.; and Danis, M., 1976, Medecine Infant., v. 83 (1), 23-26
differential diagnosis of possible parasitic causes of eosinophilia in children

Eosinophilia
Loison, G.; Jardin, C.; and Crosnier, J., 1973, Medecine Trop., v. 33 (2), 143-161
human eosinophilic meningitis caused by Angiostrongylus cantonensis, possible transmission through contaminated food, public health program, improved sanitation as control measures: South Pacific Islands

Eosinophilia
Loret, P.; and Pascalon, J. P., 1972, Medecine Trop., v. 32 (5), 630-635
Toxocara canis infection in 19-month old child characterized by eosinophilia and hepatosplenomegalia of year's duration, case report, mintezol

Eosinophilia
Moreau, J. P. J.; and Outin-Fabre, D., 1972, Medecine Afrique Noire, v. 19 (1), 41-42
Angiostrongylus cantonensis, life cycle, cause of human eosinophilic meningitis

Eosinophilia
Neal, W. P., 1971, Maternal and Child Health, v. 3 (12), 38-39
persistent eosinophilia, diagnostic in suspected human parasitic infestations

Eosinophilia
O'Brien, W., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 69-77
Strongyloides stercoralis, intestinal malabsorption associated with high eosinophilia occurring in young soldiers probably resulting from parasitic infestation: Borneo

Eosinophilia
de Oliveira, A. R., 1976, Arq. Inst. Biol., Sao Paulo, v. 43 (1-2), 53-56
Oesophagostomum sp., Cooperia sp., Haemonchus sp., calves (exper.), no correlation between level of infestation and circulating eosinophils, may result from eosinophil migration to affected organs or bone marrow exhaustion

Eosinophilia
Pampiglione, S.; and Airo', R., 1974, Riv. Parassitol., Roma, v. 35 (4), 285-290
pygmies and Bantu, high eosinophilia due to heavy helminth infections: Central African Republic

Eosinophilia
Pavri, K. M., 1976, Indian J. Med. Research, v. 64 (5), 713-729
discussion of possible role of helminth parasites and viruses in etiology of dengue hemorrhagic fever and shock syndrome

Eosinophilia
Pirame, Y.; et al., 1973, Medecine Trop., v. 33 (2), 131-141
human eosinophilic meningitis caused by Angiostrongylus cantonensis, case reports, clinical aspects, dehydroemetine treatment: Nouvelle-Caledonie

Eosinophilia
Rollier, R.; et al., 1974, Maroc Med. (579), v. 54, 321-322
child, Norwegian type scabies associated with Hymenolepis nana intestinal infection, case report: Casablanca

Eosinophilia
Ruitenberg, E. J.; et al., 1976, Nederl. Tijdschr. Geneesk., v. 120 (15), 645-649
Toxocara canis, survey of 253 children for complement-fixing antibodies against Toxocara shows low incidence; eosinophilia attributed to presence of Enterobius vermicularis: Netherlands

Eosinophilia
Sagua, H.; et al., 1972, Bol. Chileno Parasitol., v. 27 (1-2), 58-60
eosinophilia, intradermal, ring precipitation and bentonite flocculation tests, comparison of results in persons at time of Trichinella spiralis infection and 8 1/2 years after infection

Eosinophilia
Salih, S. Y.; Abu Sabaa, H. M.; and Ali, M. S., 1977, East African Med. J., v. 54 (8), 421-424
Schistosoma mansoni, humans, evaluation of peripheral eosinophilia in the presence of infection and its relationship to hepatomegaly; possible use as diagnostic feature

Eosinophilia
Saltos, N.; Ghosh, H. K.; and Gan, A., 1975, Med. J. Australia, v. 1 (18), 561-562
case report of eosinophilic meningitis probably resulting from Angiostrongylus cantonensis, condition improved after course of thiabendazole: New South Wales

Eosinophilia
Shields, J. A.; Lerner, H. A.; and Felberg, N. T., 1977, Am. J. Ophth., Chicago, v. 84 (3), 319-322
probable Toxocara endophthalmitis in child with white fundus mass in right eye, differential diagnosis from retinoblastoma on basis of increased eosinophilia and normal lactate dehydrogenase levels in aqueous aspiration, conservative treatment resulted in resolution of eye mass: Philadelphia, Pennsylvania

Eosinophilia
Sinclair, K. B., 1975, Research Vet. Sc., v. 19 (3), 296-303
Fasciola hepatica, sheep exposed to preliminary and challenge infections, pathophysiology (circulating eosinophils, plasma proteins, and glutamate dehydrogenase, voluntary dry matter intake, plasma loss in feces), no evidence of acquired resistance to physiological effects of infection

Eosinophilia
Sinios, A., 1972, Monatschr. Kinderh., v. 120 (9), 378-381
Ascaris lumbricoides causing interstitial eosinophilic pertussis-like pneumonia in newborn, diagnosis by direct and indirect precipitation reaction after emesis of adult Ascaris by mother

Eosinophilia
Sroczynski, J., 1977, Polski Tygod. Lekar., v. 32 (16), 589-591
Necator americanus, [Wuchereria] bancrofti, Schistosoma mansoni, studies on hospitalized Africans to assess variations in blood picture during infections showed anemia in hookworm to be mainly iron deficiency while schistosomiasis caused protein deficiency, eosinophilia of peripheral origin rather than correlated with changes in bone marrow

Eosinophilia
Stankiewicz, M., 1969, Acta Parasitol. Polon., v. 17 (1-19), 161-173
Strongyloides papillosus, sheep, single and multiple infections with sheep and rabbit strains, changes in leukocyte composition of peripheral blood

Eosinophilia
Sucharit, S.; Riganti, M.; and Harinasuta, C., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (2), 223-225
Brugia pahangi in white rats and gerbils being used in laboratory studies to increase susceptibility to infection, evidence of splenic granulomas and high eosinophilia, possible application to research on human pulmonary eosinophilia

Eosinophilia
Watts, M. B., 1969, Med. J. Malaya, v. 24 (2), 89-93
first 5 case reports of eosinophilic meningitis in Sarawak, Angiostrongylus cantonensis probable etiologic agent

Eosinophilia
Welch, J. S.; and Dobson, C., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (6), 466-472
comparative fluorescent antibody test survey of Aborigines and Caucasians for presence of antibodies to Dirofilaria immitis and correlations with canine filariasis; cross-reactions to Toxocara canis observed only in presence of eosinophilia: Queensland, Australia

Eosinophilia
Wong, M. M., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 88-93
Dirofilaria repens, healthy and immunosuppressed macaques (exper.), larvae and adult worms recovered in 10 of 13 but microfilaremia seen only in prednisolone-treated animals, host responses (eosinophilia and filarial antibodies)

Eosinophilia
Wong, M. M.; and Lim, K. C., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 94-98
Dirofilaria tenuis, healthy and immunosuppressed macaques (exper.), larvae and adult worms recovered from 7 of 11 but microfilaremia seen only in a prednisolone-treated animal, host responses (eosinophilia and filarial antibodies)

Eosinophilia, Tropical
Adickman, M.; and Tuthill, T. M., 1976, Postgrad. Med., v. 60 (3), 143-148
pulmonary symptoms and eosinophilia associated with human parasitic infections, diagnostic and clinical review, need for increased awareness in travelers to endemic areas, immigrants and military personnel

Eosinophilia, Tropical
Ayachit, S. D., 1972, Oriental Arch. Ophth., v. 10 (2), 92-96
adult filarial worm removed from eye of man being treated for tropical eosinophilia, clinical case report: Madhya Pradesh, India

Eosinophilia, Tropical
Burke, G. J., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 402-405
10 patients with presumed parasitological disease, circulating absolute eosinophil levels over a 24 hour period, periodicity, steroid administration will not separate parasitic from other causes of eosinophilia

Eosinophilia, Tropical
Chandrasoma, P. T.; Mendis, K. N.; and Kumararatne, D. S., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 570-571
Wuchereria bancrofti microfilariae removed from breast nodule of woman suffering from tropical pulmonary eosinophilia: Colombo, Sri Lanka

Eosinophilia, Tropical
Charters, A. D.; et al., 1972, Med. J. Australia, v. 2 (21), 1195-1198
tropical pulmonary eosinophilia in 2 youths who recently migrated into Western Australia, case reports, clinical management, need for awareness of possible disease transmission from endemic areas

Eosinophilia, Tropical
Grove, D. I.; Warren, K. S.; and Mahmoud, A. A. F., 1975, J. Infect. Dis., v. 132 (3), 340-352
algorithms in the diagnosis and management of human forms of filariases

Eosinophilia, Tropical
Sanyal, R. K.; et al., 1976, Internat. Arch. Allergy and Applied Immunol., v. 50 (3), 291-296
adrenaline-induced increase in eosinophil count in patients with tropical pulmonary eosinophilia and in Ascaris larvae-fed guinea pigs, possible use as diagnostic test of tropical pulmonary eosinophilia

Eosinophilia, Tropical
Sucharit, S.; Riganti, M.; and Harinasuta, C., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 286-287 [Demonstration]
Brugia pahangi, rats and gerbils, splenic granulomas and high eosinophilia in research animals used in selection process for increased susceptibility, possible application to research on tropical pulmonary eosinophilia

Eosinophilia, Tropical
Wong, M. M., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (4), 480-486
Dirofilaria immitis, dirofilariasis without microfilaremia produced in dogs (exper.), immunologic responses analogized to etiology of tropical eosinophilic lung in humans

Eosinophilia, Tropical
Zaman, V.; and Fung, W. P., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 144-145 [Letter]
eosinophilic lung (tropical eosinophilia), successful treatment with levamisole, case report

Epidemiology. [See also Disease transmission; Epizootiology; Reservoir hosts; Sociology; Vectors]

Epidemiology
Abdalla, R. E.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 549-559
cutaneous leishmaniasis, human, epidemiology, clinical features, pathology, immunology, treatment with sodium stibogluconate; leishmanin skin test survey of 560 individuals: Sudan

Epidemiology
Abdel-Salam, E.; and Abd El-Fattah, M., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 463-469
Schistosoma haematobium, statistics of epidemiologic survey of children from 6 months to 10 years of age for prevalence and morbidity of infections, comparison of 3 geographically different villages in the Giza governorate, Egypt

Epidemiology
Abdussalam, M., 1975, Scient. Publication (295). Pan Am. Health Organ., 111-121
Taenia saginata, T. solium, prevalence, epidemiology, pathogenicity, diagnosis, treatment, prevention, economic impact, review

Epidemiology
Aguilar-Torres, F. G.; Rytel, M. W.; and Kagan, I. G., 1976, Am. J. Trop. Med. and Hyg., v. 25 (5), 667-670
Trypanosoma cruzi, human, comparison of counterimmunoelectrophoresis with latex agglutination and indirect hemagglutination in detection of antibodies, use as epidemiologic tool

Epidemiology
Alexander, M.; and Putzmann, L., 1974, Munchen. Med. Wchnschr., v. 116 (34), 1481-1484
human toxoplasmosis, epidemiologic survey for prevalence of infection comparing results of complement fixation and Sabin-Feldman dye test: West Berlin

Epidemiology
Allonby, E. W.; and Urquhart, G. M., 1975, Vet. Parasitol., v. 1 (2), 129-143
Haemonchus contortus, Merino ewes and their lambs, epidemiology and pathogenic significance, faecal egg counts, worm burdens, haematological indices, clinical signs, levels of infective larvae on pasture, classical acute haemonchosis occurred during high rainfall periods, self-cure confirmed as flock phenomenon, importance of moderate infections: Naivasha, Kenya

Epidemiology
Al-Sammarrae, S. A.; and Sewell, M. M. H., 1977, Research Vet. Sc., v. 23 (3), 336-339
Dictyocaulus filaria, Blackface sheep, infection levels, seasonal distribution on lowland farm: south east Scotland

Epidemiology
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Epidemiology
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Epidemiology
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Epidemiology
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Trichinella spiralis, extensive epidemiologic survey of trichinosis outbreak (11 persons of whom 2 died of infection) in Iraqw native tribe, source of infection probably a warthog killed and shared by 4 families, potential increasing public health problem if domestic pigs come in contact with carcasses of infected wild pigs: Tanzania

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Epidemiology
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Epidemiology
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Epidemiology
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Epidemiology
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Epidemiology
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Epidemiology
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Epidemiology
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Epidemiology
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Epidemiology
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Epidemiology
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Epidemiology
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Epidemiology
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Epidemiology
Kinoti, G. K., 1971, Tr. Roy. Soc. Trop. Med. and Hyg., v. 65 (5), 646-649
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Epidemiology
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Epidemiology
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Epidemiology
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Epidemiology
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Epidemiology
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Epidemiology
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Epidemiology
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Epidemiology
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Epidemiology
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Epidemiology
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Epidemiology
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Epidemiology
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Epidemiology
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Epidemiology
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Epidemiology
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Epidemiology
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Epidemiology
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Epidemiology
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Epidemiology
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Epidemiology
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Epidemiology
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Epidemiology
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Epidemiology
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Epidemiology
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Echinococcus granulosus, human, 16 cases diagnosed in 1969-1974 in 14 American Indians of 3 tribes and in 2 non-Indians, first report of echinococcosis autochthonous to this area, additional case of E. multilocularis in an Eskimo who recently migrated from Alaska: Arizona; New Mexico

Epidemiology
Schantz, P. M.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 121-126
Echinococcus granulosus, extensive epidemiologic survey of American Indians living in recent high echinococcosis endemic area, indications that infection is enzootic with sheep-dog cycle and with transmission furthered by local practice of home butchering and feeding of infected meat to pet dogs: Arizona; New Mexico

Epidemiology
Schantz, P. M.; Juranek, D. D.; and Schultz, M. G., 1977, J. Infect. Dis., v. 136 (5), 712-716
Trichinella spiralis, humans, increased incidence of infections reported in 1975, statistics of epidemiologic study: United States

Epidemiology
Schawalder, P., 1976, Schweiz. Arch. Tierh., v. 118 (5), 203-216
parasite fauna of dogs, epidemiological and ecological parameters (resistance in relatior to age, seasonal distribution in relation to ecological factors): Bern area, Switzerland

Epidemiology
Scheiber, P.; et al., 1976, Bull. World Health Organ., v. 53 (4), 472-475
human Onchocerca volvulus, membrane filter concentration technique for epidemiologic field studies, comparison with standard techniques showed that new technique resulted in increased incidence of observed prevalence and density of microfilariae

Epidemiology
Scheiber, P.; Braun-Munzinger, R. A.; and Southgate, B. A., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 19 [Demonstration]
Onchocerca volvulus, humans, comparison of the millipore membrane-concentration technique and the standard skin snip technique for use as epidemiologic tools in field surveys: Togo

Epidemiology
Scheiber, P.; Braun-Munzinger, R. A.; and Southgate, B. A., 1976, Tropenmed. u. Parasitol., v. 27 (2), 224-228
epidemiologic survey in endemic area of nocturnally periodic Wuchereria bancrofti to compare use of conventional blood films and the membrane filtration concentration technique in detecting infections: Togo

Epidemiology
Schenone, H.; et al., 1970, Bol. Chileno Parasitol., v. 25 (1-2), 42-45
Sarcoptes scabiei, increasing incidence in humans according to survey of cases 1960-1969 probably resulting from decreased interest shown by health departments and decreased ability of doctors to diagnose condition: Santiago, Chile

Epidemiology
Schenone, H.; et al., 1970, Bol. Chileno Parasitol., v. 25 (1-2), 46-51
epidemiologic survey shows increasing incidence of human trichinosis, possible association with increased pork consumption and lack of satisfactory meat inspection: Santiago Province, Chile

Epidemiology
Schenone, H.; et al., 1972, Bol. Chileno Parasitol., v. 27 (1-2), 2-6
scabies, human, results of epidemiologic survey of increasing incidence, prophylactic measures instituted by public health authorities, mass treatment with lindane emulsion: Santiago, Chile

Epidemiology
Schiefer, B. A.; Ward, R. A.; and Eldridge, B. F., 1977, Exper. Parasitol., v. 41 (2), 397-404
Plasmodium cynomolgi-infected Anopheles stephensi, reductions in laboratory flight performance, epidemiological implications

Epidemiology
Schneider, C. R., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 155-166
Mekong schistosomiasis, current status of human infection, principal focus apparently ethnic Vietnamese fishermen who inhabit raft houses on the Mekong River at Kratie, Cambodia

Epidemiology
Schwabe, C. W.; Riemann, H. P.; and Franti, C. E., 1977, Epidemiology in veterinary practice. 303 pp., illus., maps
epidemiology in veterinary practice

Epidemiology
Scott, J. M.; and Goll, P. H., 1977, Brit. Vet. J., v. 133 (3), 273-280
Fasciola hepatica, seasonal availability of metacercariae on pasture studied using parasite-free tracer lambs; anthelmintic trials with carbon tetrachloride, oxyclozanide, and rafoxanide: Ethiopian Central Highlands

Epidemiology
Seguela, J. P.; et al., 1975, Medecine et Malad. Infect., v. 5 (11), 546-548
epidemiologic survey of Toxoplasma gondii among native populations in French Guiana

Epidemiology
Sehgal, S. C.; Vinayak, V. K.; and Gupta, U., 1977, Indian J. Med. Research, v. 65 (4), 509-512
human helmintic ova in feces, diagnosis using the Kato thick smear technique more successful than commonly used techniques, recommended for epidemiologic surveys: Chandigarh, India

Epidemiology
Shafer, N., 1975, N. York State J. Med., v. 75 (7), 1049-1061
Toxoplasma gondii in humans, extensive clinical review of current medical progress

Epidemiology
Shaw, P. K.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (6), 788-796
Leishmania [sp.], human, 2 autochthonous cases, epidemiologic data suggest that dermal leishmaniasis is endemic in south-central Texas

Epidemiology
Shaw, P. K.; et al., 1977, Ann. Int. Med., v. 87 (4), 426-432
Giardia lamblia, communitywide outbreak of human giardiasis with incrimination of public water supply as source of contamination, possibility of water supply contaminated by human waste; cyst found in water supply and dogs experimentally infected with samples of raw water from the city reservoir: Rome, New York

Epidemiology
Shelley, A. J., 1975, Ann. Trop. Med. and Parasitol., v. 69 (3), 407-412
Mansonella ozzardi, human, epidemiological survey: rural communities on river Purus, state of Amazonas, Brazil

Epidemiology
Shevkunova, E. A.; et al., 1976, Zhurnal Mikrobiol., Epidemiol., i Immunobiol. (5), 64-68
toxoplasmosis, human, immunologic survey of 2643 persons, higher incidence of infection in those keeping cats, no correlation with presence of dogs: 5 areas in USSR

Epidemiology
Shiff, C. J.; and Yiannakis, C., 1976, Am. J. Trop. Med. and Hyg., v. 25 (3), 427-431
schistosomiasis, human, prevalence measured by parasitological examination and by fluorescent antibody titering, correlation detected between mean titer and prevalence of infection particularly in younger people, suggested that fluorescent antibody titrating may be useful epidemiological tool: Rhodesia

Epidemiology
Simpson, G. E. C., 1975, Med. J. Australia, v. 1 (19), 601-602
discussion of human epidemic Giardia lamblia and diagnostic problems involved (diagnosed by response to flagyl treatment), need for investigation into probable epidemiology stressed: Australia

Epidemiology
Sinel'shchikov, V. A., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 230-238
epidemiological significance of faunistic complexes of malarial mosquitoes in landscape-geographic regions of Moldavia

Epidemiology
Singal, M.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 1-9
Plasmodium vivax, outbreak of introduced (Punjabi immigrants to agricultural area) malaria with likelihood of secondary transmission, coincidentally high numbers of Anopheles freeborni (effective P. vivax vectors) in transmission area: California

Epidemiology
Siongok, T. K. A.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (2), 273-284
Schistosoma mansoni, cross-sectional study of entire community in endemic area, prevalence and intensity of infection (as determined by quantitative egg counts) correlated with morbidity (as determined by standard medical examination): village of lower Nduu, Machakos, Kenya

Epidemiology
Sivanandam, S.; and Dondero, T. J., jr., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (3), 415 [Demonstration]
description of simplified, non-breakable Sinton pipette useful in filariasis surveys and research where measured thick blood smears are required

Epidemiology
Slonka, G. F.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (5), 739-743
Pediculus humanus capitis, outbreak in schoolchildren, epidemiology, recommendations for control: Georgia

Epidemiology
Slonka, G. F.; et al., 1977, J. Parasitol., v. 63 (2), 377-383
Pediculus humanus capitis, human, epidemic in public schools, sex, age, race, socioeconomic status, crowding, method of closeting garments, and family size influenced distribution of pediculosis but hair length apparently was not a factor, poverty and ignorance appeared to contribute to persistence of infestation: Buffalo, New York

Epidemiology
Soennichsen, N.; and Barthelmes, H., 1976, Ang. Parasitol., v. 17 (2), 65-70
scabies, human, epidemiology, skin tests, cross reactions between Notoedres alepis and Sarcoptes scabiei, diagnostic value of tests

Epidemiology
Sornmani, S., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 149-154
Schistosoma japonicum, statistical review of status of human schistosomiasis in Laos, Thailand and Malaysia

Epidemiology
Sornmani, S.; et al., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (3), 365-374
Schistosoma japonica, extensive epidemiologic survey of endemic area of Khong Island, lower Mekong Basin, Southern Laos

Epidemiology
Southgate, B. A., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 172-178
human filariasis, field trial of counting-chamber technique for determination of microfilarial rates and densities, applicable for epidemiologic surveys

Epidemiology
Southgate, B. A., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (3), 177-186
human bancroftian filariasis, simultaneous trials using 4 known field techniques to diagnose microfilaremia in order to obtain comparative epidemiologic profiles: Fiji

Epidemiology
Spencer, H. C., jr.; et al., 1976, Am. J. Epidemiol., v. 104 (1), 93-99
Entamoeba histolytica, human, endemic area, parasitologic, serologic, and epidemiologic studies, association of infection with crowding and poor sanitation, probable unimportance of water as mode of transmission in this setting, and usefulness of indirect hemagglutination test as an epidemiologic tool: Arkansas

Epidemiology
Spencer, H. C.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 628-635
Entamoeba histolytica, epidemiologic statistics of endemic amebiasis in an extended family, two cousins of which had hepatic abscesses, random survey of remainder of community showed little evidence of infection, transmission among extended family members thought to be person to person: Bloomington, Texas and Florida

Epidemiology
Sri Oemijati, 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 144-148
Schistosoma japonicum, statistical review of prevalence and distribution of human schistosomiasis in Indonesia

Epidemiology
Steck, E. A., 1974, Progr. Drug Research, v. 18, 289-351
Leishmania spp., extensive review (history, etiology, pathology, epidemiology, immunology, cultivation, biochemistry, chemotherapy)

Epidemiology
Straka, S.; et al., 1977, Ceskoslov. Epidemiol., Mikrobiol., Imunol., v. 26 (1), 52-60
tapeworms, human, epidemiological analysis, geographical distribution, sex, age, social structure, occupation and clinical symptoms; transmission by raw meat, efficacy of anthelmintics: Slovak Socialist Republic

Epidemiology
Svartman, M.; et al., 1972, Lancet, London (7744), v. 1, 249-251
Sarcoptes scabiei in man and possibly also dogs implicated in large epidemic of acute glomerulonephritis, scabetic lesions containing beta-hemolytic streptococci were found in large numbers of both the sick and well population of a small village in Trinidad

Epidemiology
Szabo, T., 1974, Mount Sinai J. Med., v. 41 (6), 765-773
human Toxoplasma gondii, current status in the United States, clinical review (pathology, transmission, epidemiology, diagnosis, prophylaxis, temporal variations)

Epidemiology
Tadros, W.; and Laarman, J. J., 1977, Trop. and Geogr. Med., v. 29 (3), 315 [Abstract]
epidemiology and epizootiology of Sarcocystis and related cyst-forming coccidia

Epidemiology
Tagil'tsev, A. A., 1970, Parazitologiia, Leningrad, v. 4 (3), 283-287
classification of arthropod parasites of bats according to life style, epidemiological implications: USSR

Epidemiology
Tang, C. C.; and Tang, C. T., 1977, Tung Wu Hsueh Pao (Acta Zool. Sinica), v. 23 (3), 267-282
Eurytrema coelomaticum, E. pancreaticum, incidence in cattle and sheep, epidemiology, life history, development in intermediate and experimental hosts: Fu-jian, South China

Epidemiology
Tanowitz, H. B., 1974, Med. Aspects Human Sexual., v. 8 (9), 45-65
human parasitic gynecologic diseases, clinical aspects, epidemiology, sexual transmission, review

Epidemiology
Tchoulamjan, A.; et al., 1977, Prensa Med. Argent., v. 64 (5), 125-138
schistosomiasis, epidemiologic survey of skin-test positive persons in non-endemic area to assess possible infection spread resulting from hydroelectric dam construction projects in neighboring endemic areas: Misiones, Argentine Republic

Epidemiology
Teesdale, C. H.; and Amin, M. A., 1976, Bull. World Health Organ., v. 54 (6), 703-705
Schistosoma mansoni in humans, fecal examination technique using thick glass cover-slips, useful in diagnostic epidemiologic surveys, compares favorably with standard Kato and Miura method

Epidemiology
Terragna, A., 1975, Paediatrician, v. 4 (2-3), 138-154
Toxoplasma gondii in children, present perspectives, extensive review (biology, epidemiology, life cycle, clinical aspects, diagnosis, fine structure, therapy)

Epidemiology
Thaver, S.; and Draper, C. C., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 8 [Demonstration]
P[lasmodium] falciparum, P. vivax and T[rypanosoma] cruzi antibodies tested for reliability of epidemiologic field survey collection methods, use of chromatography paper for collecting capillary blood recommended

Epidemiology
Theron, A.; Pointier, J. P.; and Combes, C., 1977, Ann. Parasitol., v. 52 (4), 421-433
Schistosoma mansoni, factors affecting cercarial concentration (rhythm of presence) in sites of transmission: rhythm of emission, numbers of Biomphalaria glabrata parasitized, temperature, rate of current: Guadeloupe

Epidemiology
Thompson, R. C. A., 1976, Austral. Vet. J., v. 52 (11), 543-544 [Letter]
Echinococcus granulosus, equine, danger of introducing a new strain, possible establishment in domestic and/or wild animal cycles, potential public health danger: Australia

Epidemiology
Thompson, R. C. A.; and Smyth, J. D., 1975, Vet. Parasitol., v. 1 (2), 107-127
epidemic proportions of equine hydatidosis, evidence indicates that hunting dogs are major definitive host for equine "strain" of Echinococcus granulosus and that they acquire infection by being fed raw uninspected horse flesh and offal, potential public health implications: Great Britain

Epidemiology
Tizard, I. R.; Carrington, M.; and Lai, C. H., 1977, Canad. Vet. J., v. 18 (10), 274-277
Toxoplasma gondii, goats, prevalence of anti-Toxoplasma antibodies, Sabin-Feldman dye test, no significant clinical problem in goats surveyed, epidemiological aspects discussed, public health hazard in relation to goat's milk: southern Ontario

Epidemiology
Tizard, I. R.; Chauhan, S. S.; and Lai, C. H., 1977, J. Hyg., Cambridge, v. 78 (2), 275-282
Toxoplasma gondii, epidemiologic survey, prevalence of antibodies in human serum, inverse relationship between urban size and infection prevalence: Province of Ontario, Canada

Epidemiology
Tizard, I. R.; Fish, N. A.; and Quinn, J. P., 1976, J. Hyg., Cambridge, v. 77 (1), 11-21
extensive survey of human serum for presence of antibodies to Toxoplasma gondii and observations on probable epidemiology: Canada

Epidemiology
Toth, G.; Paldy, L.; and Streitman, K., 1974, Orvosi Hetilap, v. 115 (3), 149-151
Pneumocystis carinii, human interstitial plasma cell pneumonia, inadequate sterilization of water in oxygen vaporizers as cause of disease spread in hospital settings: Hungary

Epidemiology
Townsend, G., 1966, Bol. Chileno Parasitol., v. 21 (3), 77-82
human Echinococcus granulosus, epidemiologic survey of Santiago Province, Chile

Epidemiology
Tr. Roy. Soc. Trop. Med. and Hyg., 1976, v. 70 (2), 114-129
African and South American trypanosomiasis, 16th seminar on current status (epidemiology, chemotherapy, immunological research and problems of immunization, infection in domestic animals, vector control)

Epidemiology
Tribouley, J.; et al., 1976, Bull. World Health Organ., v. 54 (6), 695-702
Schistosoma mansoni in humans, passive hemagglutination test of high specificity and sensitivity in comparison trials with complement fixation test, useful in epidemiologic surveys

Epidemiology
Tribouley, J.; Tribouley-Duret, J.; and Tlemsani, A., 1974, Medecine et Malad. Infect., v. 4 (1), 43-50
passive hemagglutination test technique for diagnosis of human echinococcosis, suitable for epidemiologic tool, favorable comparison with complement fixation test

Epidemiology
Upatham, E. S., 1974, Ann. Trop. Med. and Parasitol., v. 68 (2), 235-236
Schistosoma mansoni cercariae, infectivity in relation to stream velocity and distance from entry point including positions immediately above and in slow-flowing pools, epidemiological implications: St. Lucia

Epidemiology
Upatham, E. S., 1974, Ann. Trop. Med. and Parasitol., v. 68 (3), 343-352
Schistosoma mansoni cercariae, dispersion in natural standing and running waters determined by cercaria counts and mouse exposure: St. Lucia

Epidemiology
Upatham, E. S.; Sturrock, R. F.; and Cook, J. A., 1976, Parasitology, v. 73 (3), 253-264
Schistosoma mansoni, human, simple standardized hatching test used to estimate egg hatching rate in relation to host age, sex, and intensity of infection, implications for epidemiology and for use in assessing drug efficacy: St. Lucia, West Indies

Epidemiology
Utterback, W. W.; et al., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 3-11
Anaplasma marginale, cattle, prevalence with respect to breed, sex, age, management practices, and ecologic factors: Northern California

Epidemiology
Vankos, J.; and Reffy, F., 1976, Orvosi Hetilap, v. 117 (23), 1403-1405
increasing incidence of human scabies, most prevalent in winter months, epidemiology and 10-year statistical records of the Clinic for Dermatologic and Venereal Diseases: Budapest

Epidemiology
Varma, S.; Malik, P. D.; and Lal, S. S., 1976, Vet. Rec., v. 99 (13), 256
Balantidium coli, consumption of Ascarops strongylina eggs observed during routine fecal examination, pig; possible role in epidemiology of A. strongylina

Epidemiology
Vashishta, M. S.; and Singh, R. P., 1977, Livestock Advis., v. 2 (7), 35-38
Haemonchus epidemic in sheep and goats, banminth-II, fenbendazole, helmatac, thibenzole, good results; development of geophagia in survivals or treated groups: Haryana

Epidemiology
Vaughn, H. W.; et al., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 136-137
Anaplasma marginale, cattle, prevalence and distribution: northern Idaho and southeastern Washington

Epidemiology
Velasco Castrejon, O.; et al., 1970, Prensa Med. Mexicana, v. 35 (11-12), 438-440
Trypanosoma cruzi infection in 8-year old child, probable vector established as Triatoma barberi, epidemiologic study: Jalisco, Mexico

Epidemiology
Viens, P.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 136-139
human toxoplasmosis, seroepidemiologic survey of 4,136 pregnant women for latent infection and their offspring for congenital infection, statistics of survey: Montreal, Quebec, Canada

Epidemiology
Vilimszky, Z., 1971, Parasitol. Hungar., v. 4, 65-71
human taeniasis, epidemiologic survey covering 1961-1970, suggested control measures: County Borsod, Hungary

Epidemiology
Vinayak, V. K.; Singh, T.; and Naik, S. R., 1977, Indian J. Med. Research, v. 66 (5), 737-744
human ancylostomiasis, intradermal skin test using Ancylostoma duodenale larval antigen, useful and rapid screening method for epidemiologic surveys, also recommended as adjunct to fecal examination in individual case diagnosis

Epidemiology
Viranuvatti, V.; and Stitnimankarn, T., 1972, Progr. Liver Diseases, v. 4, 537-547
liver fluke infections and infestations, review of epidemiology, pathology, clinical manifestations, treatment and control of human infections in Southeast Asia

Epidemiology
Vlassoff, A., 1976, N. Zealand J. Exper. Agric., v. 4 (3), 281-284
trichostrongyle larvae on pasture, seasonal incidence, residual pasture infestation more important than ewes as source of infection for lambs in spring, autumn infections acquired from eggs passed by lambs themselves: New Zealand

Epidemiology
Waldeland, H., 1976, Acta Vet. Scand., v. 17 (4), 403-411
Toxoplasma gondii, sheep muscular tissue, incidence correlated with dye test titres and haemoglobin type (higher in type B than A or AB), possible genetic influence on infection, epidemiology, meat inspection: southern Norway

Epidemiology
Waldeland, H., 1976, Acta Vet. Scand., v. 17 (4), 432-440
Toxoplasma gondii, prevalence in lambs, comparison with ewes, variations in epidemiological patterns, no significant differences in geographical distribution: southern Norway

Epidemiology
Waldeland, H., 1977, Acta Vet. Scand., v. 18 (1), 91-97
Toxoplasma gondii, sheep flocks, reproductive loss in specific age groups, apparently no transmission between sheep, probably transmitted by silage

Epidemiology
Waldeland, H., 1977, Acta Vet. Scand., v. 18 (2), 227-236
Toxoplasma, four breeding flocks of sheep, long-term (3-6 years) epidemiological studies, abnormal reproductive performance, increased prevalence with age, higher incidence in lowland pastures than in mountain pastures, lower incidence in summer than in winter: Norway

Epidemiology
Wallace, G. D., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 48-53
Toxoplasma gondii, human, prevalence of dye-test antibody in relation to host age and ethnic group, generally high except for people of Japanese ancestry living in Hawaii and for aborigines and ethnic Chinese living in Taiwan: Pacific Islands

Epidemiology
Ward, R. A., 1977, Proc. 15. Internat. Cong. Entom. (Washington, D.C., Aug. 19-27, 1976), 523-529
malaria, factors of human ecology that influence recent epidemiological changes

Epidemiology
Ward, R. D., 1977, Proc. 15. Internat. Cong. Entom. (Washington, D.C., Aug. 19-27, 1976), 505-522
New World leishmaniasis, incidence, factors causing epidemiological changes in last 3 decades

Epidemiology
Warren, K. S.; and Mahmoud, A. A. F., 1976, J. Infect. Dis., v. 133 (2), 240-243
Trichuris trichiura, epidemiologic, clinical and diagnostic review of human trichuriasis

Epidemiology
Warren, K. S.; and Mahmoud, A. A. F., 1977, J. Infect. Dis., v. 135 (4), 692-696
algorithms in the diagnosis and management of human liver, intestinal and lung flukes

Epidemiology
Warren, M.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 20-25
Plasmodium falciparum, human, localized epidemics, serologic assessment with indirect fluorescent antibody method provides valuable information but must be interpreted in association with other known epidemiologic factors: El Salvador; Panama

Epidemiology
Warren, M.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 607-611
differences in susceptibility to Plasmodium vivax and P. falciparum of inbred morphologic phenotypes of Anopheles albimanus vector mosquitoes, significance in epidemiologic surveys and development of vector control measures: El Salvador

Epidemiology
Webber, R. H., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 537-538 [Letter]
human microfilaria, comparison of use of counting chamber and measured blood films for epidemiologic estimations, survey of Wuchereria bancrofti-endemic area in the Solomon Islands

Epidemiology
Wegener, J.; and Gathuma, J. M., 1975, Tropenmed. u. Parasitol., v. 26 (1), 43-47
Echinococcus granulosus, marabou storks (Leptoptilos crumeniferus) feeding in vicinity of slaughterhouses on offal infected by hydatid cysts, no evidence to implicate as transport hosts in Kenya; high acidity in digestive tract may destroy cysts; suggested that storks lower incidence in humans

Epidemiology
Weinstock, H.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, part 1), 1148-1152
Wuchereria bancrofti, epidemiological survey, microfilaremia rates, distribution by age, sex, and race, public health importance, larvae found in Culex pipiens fatigans: Puerto Limon, Costa Rica

Epidemiology
Welch, J. S.; and Dobson, C., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (6), 466-472
comparative fluorescent antibody test survey of Aborigines and Caucasians for presence of antibodies to Dirofilaria immitis and correlations with canine filariasis; cross-reactions to Toxocara canis observed only in presence of eosinophilia: Queensland, Australia

Epidemiology
Weller, T. H., 1976, Am. J. Trop. Med. and Hyg., v. 25 (2), 208-216
Schistosoma mansoni, Craig Lecture before Am. Soc. Trop. Med. and Hyg.: cultivation in vitro; detection of antigenic materials elaborated in vivo; epidemiology and control

Epidemiology
Wenceslao, J. M.; Oban, E.; and Cabrera, B. D., 1972, Southeast Asian J. Trop. Med. and Pub. Health, v. 3 (4), 552-561
Brugia malayi, Wuchereria bancrofti, epidemiologic survey established widespread endemicity of human filariasis in Eastern Samar province, survey for vector mosquitoes

Epidemiology
Whittle, H. C.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 349-363
scabies, pyoderma, and nephritis, clinical and epidemiological study: Zaria, Nigeria

Epidemiology
Wijers, D. J. B., 1977, Ann. Trop. Med. and Parasitol., v. 71 (3), 313-331
bancroftian filariasis, humans, extensive prevalence survey of adult males for microfilaremia and pathologic evidence of infection: Coast Province, Kenya

Epidemiology
Wijers, D. J. B., 1977, Ann. Trop. Med. and Parasitol., v. 71 (4), 451-463
human bancroftian filariasis, dynamics of disease distribution and transmission as related to climate and vector breeding sites; microfilaremia rates as related to evidence of hydroceles and elephantiasis: Kenya

Epidemiology
Wijers, D. J. B.; and Kinyanjui, H., 1977, Ann. Trop. Med. and Parasitol., v. 71 (3), 333-345
bancroftian filariasis, extensive prevalence survey comparing natives of a small sea shore village and those from a sparsely populated rural area for evidence of microfilaremia and visible pathology: Coast Province, Kenya

Epidemiology
Wildfuehr, G.; and Wildfuehr, W., 1975, Toxoplasmose. Ratgeber fur Artzte und Tierarzte, 320 pp., illus.
Toxoplasma gondii, guidebook for physicians and veterinarians, morphology, life cycle, diagnosis, epidemiology, pathology, prenatal infection, veterinary aspects, extensive review

Epidemiology
Wilkins, H. A., 1977, Ann. Trop. Med. and Parasitol., v. 71 (1), 53-58
human Schistosoma haematobium, statistics of epidemiologic survey for prevalence and intensity of infection in native community in laterite plateau area of McCarthy Island Division, The Gambia

Epidemiology
Wilkins, H. A.; and Capron, A., 1977, Ann. Trop. Med. and Parasitol., v. 71 (2), 186-195
Schistosoma haematobium in Gambian community, relation of antibody levels to age (indirect fluorescent antibody and indirect haemagglutination tests), seasonal changes in antibody level, relation of antibody to subsequent changes in egg output, results suggest that serologic parameters may have some relationship to protective immunity and immune response should be considered as factor in epidemiologic studies

Epidemiology
Wilkinson, P. R.; and Garvie, M. B., 1975, J. Med. Entom., v. 12 (4), 480
Dermacentor variabilis and Haemaphysalis leporispalustris feeding concurrently on Lepus americanus struthopus, possibility of birds or rodents ingesting infected ticks, implications for circulation of Rocky Mountain spotted fever rickettsiae between bird-Haemaphysalis-lagomorph cycle and rodent-Dermacentor-larger mammal cycle: near Caledonia, Nova Scotia

Epidemiology
Williams, B. M., 1976, Vet. Parasitol., v. 1 (3), 271-276, 277-280
cestodes of farm dogs and foxhounds, survey, incidence and intensity, relationship to frequency of anthelmintic treatment and to diet: Dyfed, United Kingdom

Epidemiology
Wilson, T.; and Ramachandran, C. P., 1971, Ann. Trop. Med. and Parasitol., v. 65 (4), 525-546
Brugia malayi in man and cats, B. pahangi in cats, review of data on infections: long-term observations on microfilaraemia and estimates of efficiency of transmission from mosquito vector to definitive host

Epidemiology
Wilson, V.C.L.C., 1975, J. Protozool., v. 22 (3), 57A-58A [Abstract]
visceral leishmaniasis, epidemiological survey: Kacheliba area, north-west Kenya

Epidemiology
Woodruff, A. W.; et al., 1977, J. Trop. Med. and Hyg., v. 80 (4), 68-73
human onchocerciasis in savanna and rainforest areas, comparison of epidemiologic aspects and pathology: Nigeria and Cameroon

Epidemiology
Woodruff, A. W.; et al., 1977, J. Trop. Med. and Hyg., v. 80 (4), 74-77
clinicopathologic picture of human onchocerciasis in Ethiopia as compared to that in Nigeria and Cameroon

Epidemiology
Yang, J.; and Scholten, T., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 16-22
Dientamoeba fragilis in humans, extensive epidemiologic survey, pathology, fecal examination diagnostic methods, periodicity, frequent occurrence in presence of Enterobius vermicularis suggests possibility of helminths as vectors: Toronto, Canada

Epidemiology
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Schistosoma japonicum in humans and domestic animals, epidemiology, control measures, geographic distribution in Japan and Far East

Epidemiology
Yokogawa, M., 1974, Internat. Med. Found. Japan. Reporting series (4), 137-149
Paragonimus spp. infective to man, epidemiology, geographic distribution, current control measures, mass therapy with bithionol, extensive review

Epidemiology
Yokogawa, M., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 137-143
Schistosoma japonicum, statistical review of prevalence and distribution of human and animal schistosomiasis in Japan

Epidemiology
Zeledon, R.; et al., 1973, J. Med. Entom., v. 10 (4), 363-370
Trypansoma cruzi, habitat and blood sources of vector, Triatoma dimidiata: Costa Rica

Epidemiology
Zigas, V., 1976, Papua N. Guinea Med. J., v. 19 (4), 225-230
Toxoplasma gondii in humans, epidemiologic survey for prevalence of antibodies, possible correlation with ingestion of raw meat rather than presence of cats: New Britain, Papua New Guinea

Epidemiology
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Toxoplasma gondii, no definitive relationships could be determined between epidemiologic characteristics examined and the presence of antibodies to toxoplasmosis in survey of veterinary college staff and students at the Iowa State University

Epilepsy
Bekeny, G.; and Peter, A., 1972, Orvosi Hetilap, v. 113 (51), 3083-3086
human cysticercosis with associated meningoencephalitis, auditory hallucinations and epilepsy, case report: Hungary

Epilepsy
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human cysticercosis, search for possible associations with epilepsy

Epilepsy
Delprat, J.; Condat, M.; and Sirol, J., 1973, Medecine Trop., v. 33 (2), 189-192
man, generalized cysticercosis with symptoms of epilepsy, X-ray diagnosis, case report: Madagascar

Epilepsy
Forsdahl, A.; and Brunborg, I., 1971, Tidsskr. Norske Laegefor., v. 91 (13), 958-960
Toxocara canis in dogs, life cycle, implications for serious infections in man and possible associations with epilepsy: Norway

Epilepsy
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human cerebral Schistosoma japonicum, 5 case reports, epilepsy, meningoencephalitis and other presenting symptoms, clinical management, EEG findings: Japan

Epilepsy
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extensive clinical review of human cerebral cysticercosis, diagnosis by neurologic symptoms or calcified areas in muscle, statistics of 58 recently recorded cases on Reunion Island

Epilepsy
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human cerebral cysticercosis manifesting as epilepsy, chronic cerebral spinal meningitis and hydrocephalus, clinical case report: Poland

Epilepsy
Samaan, S. S.; et al., 1976, J. Pharm. and Pharmacol., v. 28 (5), 465-466
action of potassium antimonyl tartrate on brain content of γ-aminobutyric acid and acetylcholine in Schistosoma mansoni-infected mice, possible increased toxic reactions in presence of epilepsy

Epilepsy
Wada, H.; et al., 1975, No Shinkei Geka (Neurol. Surg.), v. 3 (12), 1031-1038
Paragonimus westermani, human cerebral infections with associated epilepsy, surgical therapy, clinical aspects, possible infections from contamination of food during preparation: Japan

Epizootiology. [See also Disease transmission; Epidemiology; Reservoir hosts; Vectors]

Epizootiology
Bakke, T. A., 1973, Norwegian J. Zool., v. 21 (4), 299-303
Syngamus trachea, geographic distribution, epizootiology (climatic conditions, infection of Sterna paradisaea occurs before northward migration): southern and western Norway

Epizootiology
Carmichael, I. H.; and Hobday, E., 1975, Onderstepoort J. Vet. Research, v. 42 (2), 55-62
blood parasites of wild Bovidae, incidence, epizootiological importance: Ngamiland, Botswana

Epizootiology
Church, E. M.; Wyand, D. S.; and Lein, D. H., 1975, Am. J. Vet. Research, v. 36 (3), 331-335
cerebrospinal nematodiasis, experimentally induced in Oryctolagus cuniculus with Ascaris columnaris, A. suum, or Toxocara canis, naturally occurring in Sylvilagus floridanus and O. cuniculus, clinical signs, gross and microscopic changes, duration of infection and parasite morphology and distribution in CNS, potential of rabbits as intermediate or paratenic hosts for ascarids of carnivorous origins

Epizootiology
Davidson, W. R., 1976, Proc. Helminth. Soc. Washington, v. 43 (2), 211-217
epizootiologic and pathologic study of endoparasites of selected populations of gray squirrels in southeastern United States

Epizootiology
Donaldson, M.; et al., 1975, Am. J. Vet. Research, v. 36 (6), 807-817
reptilian amebiasis, fatal epizootic, possible cause of many previous snake deaths, pathologic changes, probable mode of introduction and spread, treatment (metronidazole successful) and prophylaxis, amebae identified as or presumed to be Entamoeba invadens Steinhart Aquarium, California Academy of Sciences, Golden Gate Park, San Francisco

Epizootiology
Drudge, J. H.; et al., 1975, Am. J. Vet. Res., v. 36 (11), 1585-1588
Gasterophilus intestinalis, G. nasalis, horses (stomach), annual and monthly incidence of occurrence of 2nd vs. 3rd instars, size of infections, implications for dynamics of infection and span of transmission: Kentucky

Epizootiology
Dyk, V.; and Chroust, K., 1974, Acta Vet. Brno, v. 43 (1), 65-77
parasite survey, roe deer, incidence rate in two ecologically different regions, relationship to host age, preventive measures: Czechoslovakia

Epizootiology
Egorov, V. I., 1968, Botan. i Zool. Issled. Dal'nem Vostoke, v. 2, 256-260
ascariasis, trichuriasis, swine, epizootiology, seasonal distribution of depositing eggs and larvae in barns and pastures: Primor'e

Epizootiology
Farley, C. A., 1975, J. Protozool., v. 22 (3), 418-427
Minchinia nelsoni in Crassostrea virginica, epizootiologic relationships concerning parasite life cycle, pathologic effects on host, and effects of physical factors: mortality, incidence, seasonal prevalence of progressive disease stages, gross and histopathology, salinity and temperature effects, differences in host susceptibility between native and introduced hosts: Chesapeake Bay, Maryland

Epizootiology
Franti, C. E.; et al., 1976, J. Am. Vet. Med. Ass., v. 169 (9), 901-906
Toxoplasma gondii, indirect hemagglutination test to determine prevalence in domestic and wild animals; epizootiologic factors (presence of cats, feeding habits of potential host, age and longevity of host, species and population densities of animals, and geographic and climatic factors): northern California

Epizootiology
Gallo, C.; and Guercio, V., 1974, Atti Soc. Ital. Sc. Vet., v. 28, 863-865
Ligula intestinalis, high mortality of Tinca tinca, clinical, pathological and epizootiological observations: artificial lake, Sicilia Occidentale

Epizootiology
Gonzalez, M. A., 1977, Gac. Vet., Buenos Aires (322), v. 39, 389-393
Oestrus ovis, sheep, symptoms of myiasis, localization of lesions, total numbers and size distribution of larvae collected, seasonal distribution, host age: packing houses, prov. Corrientes, dept. Mercedes, Argentina

Epizootiology
Henry, J. E., 1972, Acrida, v. 1 (2), 111-120
Nosema locustae, epizootiology in grasshoppers, seasonal incidence, possible biological control agent

Epizootiology
Jakovljevic, D. D., 1975, Acta Vet. Beograd, v. 25 (6), 315-325
Ascaris suum, method for obtaining embryonated eggs capable of infection; number of developed worms in intestines inversely related to number of administered eggs and age of suckling pigs; pathomorphological changes in liver and lungs; earthworms (Allolobophora caliginosa, Octolasium transpadanum, Lumbricus rubellus, Allolobophora leoni) have only a passive role as 'carriers' of embryonated eggs in transfer of infection to swine; incidence and economic importance: Yugoslavia

Epizootiology
Kasa, T. J.; et al., 1977, J. Am. Vet. Med. Ass., v. 171 (9), 850-854
Trypanosoma cruzi in Macaca mulatta, case history, histopathologic findings, endemic focus, potential for transmission by sylvatic reservoirs and triatomine vectors: primate research colony, San Antonio, Texas

Epizootiology
Knight, S. A.; Janovy, J., jr.; and Current, W. L., 1977, J. Parasitol., v. 63 (5), 897-902
Myxosoma funduli on Fundulus kansae (gills), summer epizootiology: parasite population overdispersed within host population, demographic characteristics of infected fish subpopulation virtually identical to those of whole fish population, distribution on individual gill bars, proportion of unilateral vs. bilateral infections, pre-existing infection does not preclude new infection: South Platte River, Nebraska

Epizootiology
Kutiavin, G. G., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 155-158
echinococcosis, livestock, dependence of epizootiology upon timing of grazing and slaughtering; suggested control measures: Moldavia

Epizootiology
Morley, F. H. W.; et al., Austral. Vet. J., v. 52 (7), 325-329
blowfly strike incidence in breech region of radically mulesed weaner sheep, predisposition to flystrike resulted from helminths causing diarrhoea and soiling of wool

Epizootiology
Muraleedharan, K.; et al., 1976, Mysore J. Agric. Sc., v. 10 (1), 105-117
prevalence and incidence of Schistosoma nasale in cattle and buffaloes, disease dependent upon host age and sex, number of infected snail intermediate hosts, temperature, and rainfall: Karnataka State (Dhanayakanapura, Bangalore District; Hunchipura, Mandya District)

Epizootiology
Peterson, K. J., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 11-14
Anaplasma marginale, cattle, epizootiology: Oregon

Epizootiology
Pursglove, S. R.; et al., 1976, J. Am. Vet. Med. Ass., v. 169 (9), 896-900
intestinal nematodes of Odocoileus virginianus, geographic distribution; deer insignificant in epizootiology of intestinal nematodes of domestic livestock: southeastern United States

Epizootiology
Ross, D. R.; and Mahoney, D. F., 1974, Ann. Trop. Med. and Parasitol., v. 68 (4), 385-392
Babesia argentina in Bos taurus, epizootiological model, computer simulation of parasite rates

Epizootiology
Ryan, G. E., 1976, Austral. Vet. J., v. 52 (5), 224-227
survey, gastrointestinal parasites, Felis catus, results indicate host uninvolved in epizootiology of parasites causing bovine cysticercosis
(Taenia taeniaeformis; Spirometra erinacei; Dipylidium caninum; Toxocara cati; Uncinaria stenocephala; Ancylostoma spp.; Oncicola sp.; Taenia serialis; Cyathospirura dasyuridis; unidentified nematodes; Physaloptera spp.): New South Wales

Epizootiology
Rykovskii, A. S., 1975, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 25, 135-145
Parafasciolopsis fasciolaemorpha, epizootiology of distribution among elk, distribution and biology of mollusc intermediate hosts, possible control measures: central oblasts, European section, SSSR

Epizootiology
Sharpilo, L. D., 1976, Vestnik Zool., Akad. Nauk Ukrain. SSR, Inst. Zool. (1), 62-67
rodents as reservoir hosts for game and domestic animal infestation with larval helminths

Epizootiology
Swietlikowski, M., 1969, Acta Parasitol. Polon., v. 17 (1-19), 95-101
Dictyocaulus viviparus, calves infected orally by larvae refrigerated 3 or 8 months; young larvae produce more severe disease; both ages cause similar immunological response; implications for overwintering, epizootiology, and self-cure

Epizootiology
Timofeev, B. A.; and Akulov, A. V., 1975, Sel'skokhoz. Biol., v. 10 (2), 257-263
Toxoplasma gondii, life cycle, oocysts isolated from cats and alimentarily introduced into calves, sheep, and rabbits caused mild to severe infections, recommended removal from animal houses of toxoplasma positive cats

Epizootiology
Tomasovicova, O., 1975, Biologia, Bratislava, s. B, Zool. (4), v. 30 (11), 821-826
experimental infection of chickens, Gallus gallus dom[esticus], infection of mice with Trichinella pseudospiralis from chickens, viability and infectivity maintained; experimental infection of chickens with T. spiralis only of brief duration; possibility that wild and domestic birds actively transfer and disseminate T. pseudospiralis but act only as passive hosts of intestinal stage T. spiralis

Epizootiology
Uilenberg, G., 1976, World Animal Rev. (17), 8-15
babesiasis, theileriasis, anaplasmosis, epizootiology of tick-borne diseases, review

Epizootiology
Viljoen, J. H., 1969, Onderstepoort J. Vet. Research, v. 36 (2), 233-263
nematodes of sheep, epizootiology: seasonal incidence and worm burden in relation to temperature and rainfall at three sites, availability of live infective larvae on pasture, drenching recommendations: the Karroo

Epizootiology
Wolff, K., 1976, Berl. u. Munchen. Tierarztl. Wchnschr., v. 89 (14), 272-276
Dicrocoelium dendriticum, trematode-free sheep exposed to infections on midland pasture, epizootiological observations: Switzerland

Epizootiology
Wolff, K., 1976, Ztschr. Parasitenk., v. 50 (2), 215
Dicrocoelium, lambs on pasture, epizootiology, seasonal distribution

Epizootiology
Young, E.; and Whyte, I. J., 1975, J. South African Vet. Ass., v. 46 (3), 233-234
Trichinella spiralis, wildlife, epizootiology, review; first case in Viverra civetta: Kruger National Park, South Africa

Epizootiology
Zitnan, R., 1974, Biologia, Bratislava, s. B, Zool. (1), v. 29 (2), 115-119
Dactylogyrus vastator, distribution in Cyprinus carpio in various types of bodies of water, epizootiological significance and pathogenesis: Slovakia

Esophagus. [See also Digestive system]

Esophagus, Host
Alva Correa, J. J., 1971, Medicina, Buenos Aires, v. 31 (4), 301-308
pathologic and physiologic changes resulting from Chagasic megaesophagus in dogs exper. infected with Trypanosoma cruzi

Esophagus, Parasite
Bennet-Clark, H. C., 1976, Organ. Nematodes (Croll), 313-342
mechanics of nematode feeding: anatomy of nematode oesophageal pump; feeding performance; theory of filling and emptying of nematode oesophagus; a model for filling cycle of oesophagus of Ascaris

Esophagus, Parasite
Dike, S. C., 1971, Am. J. Trop. Med. and Hyg., v. 20 (4), 552-568
ultrastructure of the esophageal region of the alimentary tract of male Schistosoma mansoni

Esophagus, Parasite
Ernst, S. C., 1975, J. Parasitol., v. 61 (4), 633-647
Schistosoma mansoni, esophagus, cecum, tegument, digestive-absorptive functions, acid phosphatase activity, electron-dense tracers all ingested but none phagocytized

Esophagus, Parasite
Smith, J. M., 1976, Internat. J. Parasitol., v. 6 (1), 9-13
Ancylostoma tubaeforme and Necator americanus third stage larvae, ultrastructure of oesophageal glands compared before and after penetration through rabbit skin

Estonia. See Russia, Estonian SSR.

Estrus. See Hormones; Reproduction.

Ethiopia
Ashford, R. W.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 568-601
parasites indistinguishable from those causing cutaneous leishmaniasis in man found in Procavia habessinica and Heterohyrax brucei and in Phlebotomus longipes and Phlebotomus pedifer (Leishmania aethiopica), close association between hyrax and sandflies, man is incidental host: Ethiopia

Ethiopia
Ashford, R. W.; et al., 1976, J. Wildlife Dis., v. 12 (3), 409-426
survey of blood parasites of 352 species of birds

Ethiopia
Bergeon, P.; and Balis, J., 1974, Rev. Elevage et Med. Vet. Pays Trop., n.s., v. 27 (3), 285-299
Argasidae and Ixodidae, geographic distribution in Ethiopia

Ethiopia
Daynes, P.; and Graber, M., 1974, Rev. Elevage et Med. Vet. Pays Trop., n.s., v. 27 (3), 301-306
helminths of domestic animals in Ethiopia (paramphistomes; Fasciola; strongles digestif; trichures; strongles pulmonaires; schistosomes; Taenia saginata; Taenia hyaenae; Echinococcus polymorphus)

Ethiopia
Graber, M.; and Daynes, P., 1974, Rev. Elevage et Med. Vet. Pays Trop., n.s., v. 27 (3), 307-322
snail vectors of trematodes of medical and veterinary importance: Ethiopia

Ethiopia
Schaller, K. F.; and Kuls, W., 1972, Med. Laenderk. (3), 1-137
geomedical report on Ethiopia, its inhabitants and its diseases

Ethnic groups and racial stocks
Burridge, M. J.; and Schwabe, C. W., 1977, Am. J. Trop. Med. and Hyg., v. 26 (2), 258-265
Echinococcus granulosus, dynamics of epidemiologic survey of Maori people, cultural and behavioral factors together with poor dog control result in higher incidence in Maoris than in non-Maoris: New Zealand

Ethnic groups and racial stocks
Enarson, D. A., 1976, Ann. Trop. Med. and Parasitol., v. 70 (4), 481-482
onchocerciasis, prevalence amongst 4 ethnic groups, appears to be widely distributed disease with significant endemicity in certain areas: Sudan Republic

Ethnic groups and racial stocks
Goel, K. M.; et al., 1977, Brit. Med. J. (6062), v. 1, 676-679
intestinal parasite prevalence survey of immigrant children to assess potential for transmissible infections and possible health hazards to indigenous children: Glasgow

Ethnic groups and racial stocks
Miller, L. H.; et al., 1976, N. England J. Med., v. 295 (6), 302-304
Plasmodium vivax, resistance factor in African and American blacks, Duffy determinants on erythrocyte surface required for invasion of erythrocyte by vivax merozoites (Duffy-blood-group-negative human erythrocytes resistant to invasion)

Ethnic groups and racial stocks
Orren, A.; and Dowdle, E. B., 1975, Internat. Arch. Allergy and Applied Immunol., v. 49 (6), 814-830
serum IgE concentrations and immediate skin hypersensitivity to common allergens analyzed with respect to ethnic group (whites, Cape Coloreds, Africans), sex, allergic status, and evidence of intestinal helminthic infestation: Western Cape Province, South Africa

Ethnic groups and racial stocks
Pappaioanou, M.; Schwabe, C. W.; and Sard, D. M., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 732-742
Echinococcus granulosus, past history and evolving pattern of human hydatid disease and transmission in the United States

Ethnic groups and racial stocks
Partono, F.; and Cross, J. H., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (4), 472-476
Toxoplasma gondii, comparative survey of Indonesian and Chinese medical students for prevalence of antibodies to toxoplasmosis: Jakarta, Indonesia

Ethnic groups and racial stocks
Peters, H., 1971, Munchen. Med. Wchnschr., v. 113 (12), 425-431
survey of Nordbaden area for frequency of intestinal parasites, incidence in natives compared to that in immigrant workers: Germany

Ethnic groups and racial stocks
Schantz, P. M., 1977, Am. J. Epidemiol., v. 106 (5), 370-379
Echinococcus granulosus, extensive epidemiologic survey of increased incidence of echinococcosis among American Indians, source thought to be sheep-dog cycle with infections acquired by dogs eating home-butchered sheep offal: Arizona and New Mexico

Ethnic groups and racial stocks
Schantz, P. M.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 121-126
Echinococcus granulosus, extensive epidemiologic survey of American Indians living in recent high echinococcosis endemic area, indications that infection is enzootic with sheep-dog cycle and with transmission furthered by local practice of home butchering and feeding of infected meat to pet dogs: Arizona; New Mexico

Ethnic groups and racial stocks
Slonka, G. F.; et al., 1977, J. Parasitol., v. 63 (2), 377-383
Pediculus humanus capitis, human, epidemic in public schools, sex, age, race, socioeconomic status, crowding, method of closeting garments, and family size influenced distribution of pediculosis but hair length apparently was not a factor, poverty and ignorance appeared to contribute to persistence of infestation: Buffalo, New York

Ethnic groups and racial stocks
Wallace, G. D., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 48-53
Toxoplasma gondii, human, prevalence of dye-test antibody in relation to host age and ethnic group, generally high except for poeple of Japanese ancestry living in Hawaii and for aborigines and ethnic Chinese living in Taiwan: Pacific Islands

Ethnic groups and racial stocks
Weinstock, H.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, part 1), 1148-1152
Wuchereria bancrofti, epidemiological survey, microfilaremia rates, distribution by age, sex, and race, public health importance, larvae found in Culex pipiens fatigans: Puerto Limon, Costa Rica

Europe
Romaschov, V. A., 1969, Acta Parasitol. Polon., v. 17 (1-19), 55-64
helminth fauna, aboriginal Castor fiber colonies in Eurasia, comparisons, review

Evolution. [See also Adaptation; Genetics]

Evolution
Ali, M. M., 1975, Riv. Parassitol., Roma, v. 36 (2-3), 223-225
parasitic nematodes, comments on evolution and adaptation, abstract of thesis

Evolution
Audy, J. R.; Radovsky, F. J.; and Vercammen-Grandjean, P. H., 1972, J. Med. Entom., v. 9 (6), 487-494
neosomy: radical intrastadial metamorphosis in arthropods, definitions, examples, association with parasitic existence, evolutionary significance, review

Evolution
Bayssade-Dufour, Ch.; and Maillard, C., 1974, Ann. Parasitol., v. 49 (5), 521-554
Allocreadioidea 4 spp., cercarial chaetotaxy, detailed description, comparison with previously described cercariae, implications for taxonomy and evolution

Evolution
Belopol'skaia, M. M., 1970, Parazitologiia, Leningrad, v. 4 (3), 201-209
Wardium amphitricha, formation of strobila, degree of development of female and male gonads, possible transition to dioecism

Evolution
Bondarenko, S. K.; and Kontrimavichus, V. L., 1976, Dokl. Akad. Nauk SSSR, v. 230 (2), 489-491
Wardium, polymorphism among species of cysticercoids, variety of systematic position of intermediate hosts (oligochaetes, crustaceans), possible phylogenetic significance

Evolution
Borgatti, A. R.; et al., 1974, Atti Soc. Ital. Sc. Vet., v. 28, 849-854
Leishmania donovani, (3 strains), Leishmania tropica, analyses of long chain fatty acids, non polar lipids, phospholipids and phospholipid fractions, comparisons, possible use in evolutionary studies

Evolution
Bozhkov, D., 1976, Ang. Parasitol., v. 17 (2), 85-88
helminths, postcycle parasitism, biological significance, definition, brief theoretical review

Evolution
Brinkmann, A., jr., 1975, Medd. Grønland, v. 205 (2), 1-88
Hexabothriidae, comparative anatomy of vaginae, morphology of eggs, phylogenetic significance

Evolution
Brooks, D. R., 1977, System. Zool., v. 26 (3), 277-289
plagiorchioid trematodes of anurans with special emphasis on species of Glypthelmins, implications of morphological cladistic interrelationships and zoogeography, evolutionary history involving parasite vicariance and dispersal as a result of host speciation and host dispersal

Evolution
Chabaud, A.-G.; and Bain, O., 1976, Ann. Parasitol., v. 51 (3), 365-397
Dipetalonema lineage, definition and limits of the line, morphological development, hypotheses on evolution, key to genera and subgenera

Evolution
Chabaud, A. G.; and Krishnasamy, M., [1976], Ann. Parasitol., v. 50 (6), 1975, 813-820
Trichospirura, should be placed in Rhabdochonidae, evolutionary position, host range, osmoexcretory apparatus, relations between Rhabdochonidae and Cystidicolidae

Evolution
Clarke, B., 1976, Symposia Brit. Soc. Parasitol., v. 14, 87-103
argument that genetic interactions between parasites and their hosts have played important perhaps even dominant role in maintaining protein polymorphisms, 3 hypotheses with supporting evidence, mathematical models of specific and general host resistance, consequences for evolutionary theory, symposium presentation

Evolution
Cox, R. A.; Godwin, E.; and Hastings, J. R. B., 1976, Biochem. J., v. 155 (3), 465-475
Plasmodium knowlesi, ribosomal ribonucleic acid, spectroscopic evidence for uneven distribution of adenine and uracil residues, possible evolutionary significance

Evolution
Durette-Desset, M. C., 1976, Bull. Mus. National Hist. Nat., Paris, 3. s. (388), Zool. (270), 711-720
Brevistriatinae, redefinition based on evolution of important characteristics (orientation of ridges, carene development, number and segmentation of crests), good correlation between morphological characters and distribution of species among hosts and geographical regions

Evolution
Durette-Desset, M.-C.; and Chabaud, A.-G., 1975, Ann. Parasitol., v. 50 (3), 303-337
Trichostrongyloidea of Chiroptera, evolutionary relationships

Evolution
Durette-Dessèt, M. C.; Chabaud, A. G.; and Cassone, J., 1977, Bull. Mus. National Hist. Nat., Paris, 3. s. (428), Zool. (298), 133-158
Trichostrongyloidea from Brazilian Xenarthra not related to those from American marsupials, seem to have evolved from reptilian or amphibian forms

Evolution
Eichler, W.; and Zlotorzycka, J., 1975, Ang. Parasitol., v. 16 (3), 153-161
Philopteridae, Strigiphilinae, generic diagnosis redefined, species group "Craspedorrhynchus species of Aquilini" defined for first time, phylogenic scheme, differential diagnosis of C. fraterculus n. sp., C. aquilinus, C. naevius, C. macrocephalus

Evolution
Euzet, L.; and Mokhtar-Maamouri, F., 1976, Ann. Parasitol., v. 51 (3), 309-327
Caulobothrium longicolle, Phyllobothrium gracile, embryogenesis of two species compared, phylogenic implications

Evolution
Fain, A., 1977, Ann. Parasitol., v. 52 (3), 339-351
Myobiidae, specificity and parallel host-parasite evolution

Evolution
Furman, D. P., 1977, J. Parasitol., v. 63 (4), 748-755
halarachnid mites, phylogenetic implications of comparative ontogeny of leg and palpal chaetotaxy

Evolution
Grabda-Kazubska, B., 1969, Acta Parasitol. Polon., v. 16 (20-27), 1968-1969, 249-269
Opisthioglyphe ranae, O. rastellus, life cycle, cercarial behavior, penetration, development; abbreviation of life cycles

Evolution
Grabda-Kazubska, B., 1975, Kosmos, Warsaw, s. A., Biol. (137), v. 24 (6), 565-583
Plagiorchiata, abbreviation of life cycles, evolutionary tendencies, review

Evolution
Graham, O. H.; Price, M. A.; and Trevino, J. L., 1972, J. Med. Entom., v. 9 (6), 531-537
Boophilus annulatus and B. microplus, cross-mating successful, sterility of males and reduced fertility of females of hybrid offspring, close relationship of species, reproductive isolation

Evolution
Guttekova, A.; and Zmoray, I., 1975, Biologia, Bratislava, s. B, Zool., v. 30 (8), 605-614
Haemonchus contortus, ultrastructure of intestine, relationship to diet and metabolism; possibly phylogenetically young parasite in adaptation to host

Evolution
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major evolutionary trends in animal protists

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Evolution
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Evolution
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Kinetoplastida, kinetoplast genetic system, implications for concept of cell differentiation and phylogeny, relationship to phenotype of these flagellates

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phylogeny and ontogeny of man-helminth-animal relationships

Evolution
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review of evolutionary relationships of bird and mammal ectoparasites and their hosts, resource tracking patterns of parasites through evolutionary time, selective pressure from hosts, host-transfers through time, discordances of parasite and host taxonomy in relation to parasite's ecological needs on host topography; particular discussion of Syringophilinae with mathematical analysis of host and parasite taxonomy

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Evolution
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Gastrocotylinae

Evolution
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Evolution
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Evolution
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myxosporidan spores, size determined by parasite's development in host tissues vs. organ cavities, shape determined by presence of physiologically and behaviorally suitable host fish, constancy of spore size and shape a result of little selective pressure to change

Evolution
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parasites of small mammals and birds in high altitude areas, geographical distribution in relation to altitude, geological history, and host distribution, adaptations to alpine conditions including life history adaptations, review: High Tatra Mountains, Slovakia

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Evolution
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evolutionary aspects of distribution of Ascaridoidea in mammals

Evolution
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polymerization and oligomerization phenomena in protozoan evolution

Evolution
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Protozoa, evolution, polymerization and oligomerization processes in nuclei and organelles, particularly ciliae, theoretical review

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Spirura, evolution and distribution

Evolution
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Seuratum cadarachense, first larval stages, organogenesis, migration and cellular reactions in Locusta migratoria (exper.) (lumiere de l'intestin moyen), imperfect adaptation of nematode to intermediate host; comparison with other nematode life cycles, speculations on evolution

Evolution
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species diversity of fish parasites in coral reef habitats, higher numbers of species of Monogenea per species of fish than in higher latitudes, theoretical discussion: Capricorn group of reefs, Great Barrier Reef

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opalinids with special reference to Protoopalina, problems in specific identification, speculations about evolution

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Evolution
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Goniodidae from Columbiformes, generic diagnosis and phylogenetic position

Evolution
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Polystomatidae, oncomiracidial morphology and evolutionary relationships

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Porocephalus crotali, cuticle, ultrastructure, function, phylogenetic implications (clearly pro-arthropodan, uniqueness supports status of independent phylum)

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convergent evolution of helmeted fleas

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analysis of altruistic behavior of Dicrocoelium dendriticum in ant host, mathematical model; theoretically possible for behavior to evolve even when parasites of one host are derived from as many as five different parents

Excretory system, Parasites
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Fasciola hepatica during migration in mouse, development of parasite excretory and parenchymal systems

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Combes, C.; and Triquell, A., 1972, Bull. Soc. Neuchatel. Sc. Nat., v. 95, 113-120
Gorgoderina vitelliloba and Gorgodera euzeti miracidia compared, arrangement of epidermal plates, sensillae and excretory pores; comparative outline of epidermal cell numbers of the Gorgoderidae

Excretory system, Parasites
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Alaria sp., ultrastructure, particularly tegument, muscles and excretory bladder

Excretory system, Parasites
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Spirometra, Diphyllobothrium, Ligula, nature of particles lining excretory ducts, detailed morphological resemblance to C-type viruses but apparent lack of nucleic acids casts doubt on viral identity; different particles seen in Cyclophyllidea spp.

Excretory system, Parasites
Gibson, D. I.; and Taylor, A. L., 1976, Parasitology, v. 73 (2), v [Abstract]
Ascaridoidea, excretory system, comment upon taxonomic significance and function

Excretory system, Parasites
Hamdy, B. H., 1973, J. Med. Entom., v. 10 (1), 53-57
Argas arboreus, excretory cycle, seasonal effects (excretory rhythm of 3rd instar nymphs, adult males, and adult females did not differ significantly, but quantities excreted in each season differed distinctly), guanine and hematin as major excretory products

Excretory system, Parasites
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flame cell pattern of Echinostomum malayanum cercariae

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Excretory system, Parasites
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Excretory system, Parasites
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Ascaridia galli, hydrocarbon metabolism excretory products, principally acetic acid in 23 day-old worms, proprionic acid in mature worms

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nematodes, nitrogen catabolism and excretory products, osmotic and ionic regulation, excretory structures, review

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Exotic diseases. See Disease transmission, Travel and migration.

Exsheathment. See Ecdysis.

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Onchocerca volvulus, survey of total population 5 years old and over in 22 village groups using standardized techniques to assess eye and skin lesions, comparison with persons not infected with onchocerciasis: United Cameroon Republic

Eye
Anderson, J.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (3), 209-222
Onchocerca volvulus, survey of total populations aged 5 years and older in 16 villages of rain-forest and savanna zones, standard techniques used to assess intensity of infection, clinical manifestations; differences thought to be influenced by hormonal factors, strain pathogenicity, transmission patterns: United Cameroon Republic

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Onchocerca volvulus, comparative pathologic study of posterior segment ocular lesions of infected villagers from savanna and rain-forest regions using fluorescein fundus angiography: Cameroon

Eye
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Onchocerca volvulus, human eye lesions, trials with diethylcarbamazine with and without added effects of corticosteroids (betamethazone), value of therapy varied with type of eye lesions: north Cameroon

Eye
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Onchocerca volvulus, human eye lesions, trials with suramin alone or followed by course of diethylcarbamazine, value of therapy varied with type of eye lesions, severe toxic reactions (2 fatalities) in some persons treated with suramin: north Cameroon

Eye
Anderson, J.; Fuglsang, H.; and Marshall, T. F. de C., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 362-373
Onchocerca volvulus, comparative follow-up epidemiologic study of infected villagers from savannah and rain-forest areas, relationships between development of eye lesions and high concentrations of microfilariae in skin, particularly around shoulders, as well as eye, implications for prevention of blindness: Cameroon

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human ocular toxoplasmosis, analysis of cases before and after treatment with pyrimethamine and sulfamethoxypyridazine (active cases also received prednisone): Chile

Eye
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Eye
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toxoplasmic retinochoroiditis in young child with presenting symptoms of strabismus, case report: Rotterdam

Eye
Brightman, A. H.; Helper, L. C.; and Todd, K. S., jr., 1977, Vet. Med. and Small Animal Clin., v. 72 (6), 1021-1023
Dirofilaria immitis, dog (anterior chamber of eye), surgical removal

Eye
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Onchocerca volvulus, human ocular involvement, assessment of new eye lesions and progression of existing lesions 14-15 years after single course of suramin, comparison with control group shows slightly less deterioration in treated group and no latent effects of suramin therapy: Hawal Valley, Nigeria

Eye
Coriglione, G.; Corso, P.; and Gorgone, G., 1969, Minerva Oftal., v. 11 (3), 99-103
larva migrans of Toxocara canis, probable cause of macular chorioretinal granuloma in youth, case report, diagnostic problems: Italy

Eye
Desai, N. C.; Sharma, G. K.; and Chandak, G. K., 1972, Oriental Arch. Ophth., v. 10 (1), 39-40
Cysticercus cellulosae of subconjunctival tissue, human, case report: India

Eye
Desmonts, G., 1976, Mod. Problems Ophth., v. 16, 228-232
toxoplasmic uveitis in humans, immunopathology studies suggest that ocular toxoplasmosis is generally congenital

Eye
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ocular complications resulting from human therapy with antiparasitics, review

Eye
Dissanaike, A. S.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, part 1), 1143-1147
filaria in vitreous of man's eye, worm not recovered but apparently died after diethylcarbamazine therapy, probable source of infection was pet dogs, 3 of which were infected with Dirofilaria immitis: Peninsular Malaysia

Eye
Dochovski, M.; Kotevski, D.; and Konjanovski, D., 1970, Makedon. Med. Pregl., v. 25 (1), 7-20
human congenital and acquired toxoplasmosis, clinical review, diagnosis, eye pathology

Eye
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toxoplasmosis in newborn infants, value of routine systematic ocular evaluations for possible infection

Eye
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Onchocerca volvulus in man, speculation that route of entry of microfilariae into eye is along sheaths of ciliary vessels and nerves: Cameroon

Eye
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Onchocerca volvulus, rabbits (exper.) preimmunized with live or freeze-killed microfilariae and later challenged by subconjunctival inoculation of live microfilariae, severe ocular pathology resulted with live microfilariae, minimal reaction with killed; possible immunological bearing on human infection

Eye
Duke, B. O. L.; and Garner, A., 1976, Tropenmed. u. Parasitol., v. 27 (1), 3-17
pathologic changes in eyes of rabbits inoculated in posterior chamber with Onchocerca volvulus microfilariae, comparisons with normal controls

Eye
Ecimovic, T. J., 1973, Bull. Epizoot. Dis. Africa, v. 21 (2), 129-131
Thelazia rhodesii, incidence, cattle, conjunctivitis parasitaria: Mbeya region of Tanzania

Eye
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human ascariasis, ancylostomiasis and schistosomiasis in association with soft cataracts, clinical aspects, possible relationships with nutritional deficiencies: Egypt

Eye
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Demodex folliculorum, infestation of human eyelids and causative factor in blepharitis, clinical review, case report, application of ether or alcohol to cause evacuation of hair follicles by parasites: Australia

Eye
Feigelson, J.; et al., 1976, Pediatrie, v. 31 (1), 77-79
Hypoderma bovis, ocular myiasis in young child with resulting lens destruction and surgical removal, child also suffered from cystic fibrosis: France

Eye
Fontan, R.; Beauchamp, F.; and Beaver, P. C., 1975, Bull. Soc. Path. Exot., v. 68 (6), 566-573
Diphyllobothrium mansoni, larval plerocercoid excised from eye of human suffering from diffuse conjunctivitis, 6 months previously had treated chalazion with local application of eviscerated frog; human hydatid cyst of eye with presenting symptoms of unilateral exophthalmia, case report: Laos

Eye
Franken, S., 1975, Ophthalmologica, Basel, v. 171 (1), 7-10
human Taenia solium with cysticercus identified in flow region of ophthalmic artery, 5 case reports, some patients gave history of eating undercooked pork, 2 were vegetarians: India

Eye
Frechette, J.-L.; Marcoux, M.; and St.-Pierre, H., 1976, Canad. Vet. J., v. 17 (4), 114
Thelazia lacrymalis in horses operated on for cataracts; Thelazia sp., keratoconjunctivitis in dairy cows: Quebec

Eye
Freney, L. C.; and Fox, H. C., 1974, Med. J. Australia, v. 1 (9), 310-311
human bilateral external ophthalmomyiasis caused by Oestrus ovis, first reported case in Queensland, Australia

Eye
Frentzel-Beyme, R., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (3), 339-357
Onchocerca volvulus, human, epidemiological survey, parasitological and clinical findings, age and sex specific prevalence rates, relation to rate of blindness: Bong Range, Liberia

Eye
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Onchocerca volvulus, epidemiologic survey of inhabitants of 121 communities over 3-year period for incidence and risk of blindness associated with onchocerciasis infection, importance as public health problem, results show 50% increased risk associated with exposure to parasites: Liberia

Eye
Frezzotti, R.; et al., 1974, Ophthalmologica, Basel, v. 169 (5), 321-325
severe bilateral toxoplasmic uveitis in 15-year-old girl resulting in unilateral enucleation and severe vision impairment, first diagnosed at age 3 as congenital toxoplasmosis, clinical case report: Italy

Eye
Fuglsang, H.; and Anderson, J., 1977, Tropenmed. u. Parasitol., v. 28 (1), 63-67
Onchocerca volvulus in humans, incidence survey using corneoscleral punch-microtiter plate quantitative skin snip technique, concentration of microfilariae in skin near eye used as simple measure of severity of infection and indicator of people at risk in developing eye pathology: Cameroon

Eye
Fuglsang, H.; Anderson, J.; and Marshall, T. F. de C., 1976, Tropenmed. u. Parasitol., v. 27 (3), 355-364
Onchocerca volvulus in humans, comparative survey of natives of rain-forest and savannah areas for presence of head nodules containing adult worms, possible associations between presence of nodules and ocular onchocerciasis: Cameroon

Eye
Garcia-Valdecasas Soler, R., 1972, Medicamenta, Madrid (505), an. 30, v. 60, 363-367
2 case reports of human ocular myiasis caused by Oestrus ovis with review of clinical aspects: Seville

Eye
Garin, J.-P.; Rougier, J.; and Mojon, M., 1975, Acta Trop., v. 32 (4), 384-388
Loa loa, human (40 year old missionary), case report, severe ocular manifestations, eventual cure with diethylcarbamazine: Italy (had lived 5 years in Cameroon)

Eye
Garner, A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 374-377
Onchocerca volvulus, pathology of ocular infections in humans and experimental rabbits, granulomatous lesions resulting from direct microfilarial invasion and inflammatory lesions a probable response to free microfilarial antigens, review of current research

Eye
Garner, A.; and Duke, B. O. L., 1976, Tropenmed. u. Parasitol., v. 27 (1), 19-29
Onchocerca volvulus, rabbits, fundus lesions following inoculation of microfilariae into posterior segment of eye

Eye
Garner, A.; Duke, B. O. L.; and Anderson, J., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 385-396
Onchocerca volvulus, rabbits, comparison of lesions produced in cornea of eye by microfilariae of forest vs. Sudan-savanna strains from Cameroon, observations confirm greater pathogenicity of Sudan-savanna strain

Eye
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human ophthalmomyiasis interna with resulting subretinal tracks, case reports of probable infestations without residual damage

Eye
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tickborne oculoglandular tularemia, case report of woman who accidently contaminated eye with blood while removing engorged tick from her leg: rural Virginia

Eye
Hanna, L. S.; Abboud, I. A.; and Ragab, H. A. A., 1973, Bull. Ophth. Soc. Egypt, v. 66, 563-574
experimental ocular infections, hydatid fluid with scolices injected into anterior eye chamber of guinea pigs and vitreous of guinea pigs and hamsters, pathology of developing lesions, Taenia echinococcus

Eye
Hanna, L. S.; Abboud, I. A.; and Ragab, H. A. A., 1973, Bull. Ophth. Soc. Egypt, v. 66, 575-586
Onchocerca caecutiens living and dead microfilariae injected sub-conjunctivally and into anterior chamber of hamster and guinea pigs, pathology of developing lesions

Eye
Hennessy, D. J.; Sherrill, J. M.; and Binder, P. S., 1977, Am. J. Ophth., Chicago, v. 84 (6), 802-805
Estrus ovis causing conjunctival myiasis in young girl who had recently camped near area inhabited by sheep and cattle, clinical case report; light and scanning electron microscopy of larva isolated from eye: beach on Catalina Island, California

Eye
Higaki, T., 1973, Nippon Ganka Kiyo (Folia Ophth. Japon.), v. 24 (3), 275-282
Toxoplasma gondii, rabbits (exper.), intraocular inoculation of cysts, pathology

Eye
Huismans, H., 1977, Ophthalmologica, Basel, v. 174 (1), 10-13
2 case reports of human Toxocara canis solitary granuloma ocular infection, one case previously misdiagnosed as toxoplasmosis, treatment with minzolum and/or photocoagulation with steroid therapy

Eye
Hutton, W. L.; Vaiser, A.; and Snyder, W. B., 1976, Am. J. Ophth., Chicago, v. 81 (5), 571-573
Cysticercus cellulosae (larval Taenia solium) successfully removed from human eye by pars plana vitrectomy procedure, case report: Texas (had visited in Mexico)

Eye
Imperato, P. J.; and Sow, O., 1971, Trop. and Geogr. Med., v. 23 (4), 385-389
human onchocerciasis, clinical survey of incidence of infection and survey of local beliefs and attitudes concerning transmission, signs and symptoms and blindness resulting from this infection: Senegal River basin areas

Eye
Jakobiec, F. A.; Gess, L.; and Zimmerman, L. E., 1977, Arch. Ophth., Chicago, v. 95 (2), 278-280
Schistosoma haematobium causing granulomatous dacryoadenitis in youth, localization at site of earlier trauma, possible immunologic implications, niridazole therapy: Sierra Leone

Eye
Jemelka, E. D., 1976, Vet. Med. and Small Animal Clin., v. 71 (5), 673-675
Setaria digitata, horse (eye), surgical removal, case report: El Kabayo Stables, Subic Bay Naval Base, the Philippines

Eye
Karel, I.; et al., 1977, Ophthalmologica, Basel, v. 174 (1), 14-19
Toxocara larva migrans, woman with granulomatous ocular lesion and active larva in the pupillary area, intolerance to mintezol therapy, case report: Czechoslovakia

Eye
Keith, C. G., 1974, Med. J. Australia, v. 1 (6), 177-181
case reports of congenital choroido-retinitis and cerebral damage probably resulting from Toxoplasma gondii

Eye
Khamboonruang, C.; and Mahasuwan, T., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (4), 588 [Demonstration]
possible cysticercosis of posterior chamber of man's left eye, clinical report: Thailand

Eye
Khamboonruang, C.; and Saeng-Udom, C., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (4), 588 [Demonstration]
Thelazia sp., Thai boy presenting with symptoms of conjunctivitis, worm discovered in purulent discharge from eye: Chiengmai Province, Thailand

Eye
Kikuchi, T., 1974, Nippon Ganka Kiyo (Folia Ophth. Japon.), v. 25 (2), 187-194
Toxoplasma gondii, ocular infection in rabbits (exper.), pathologic changes, correlation with antibody response

Eye
Konjanovski, D.; Kotevski, D.; and Dochovski, M., 1969, Makedon. Med. Pregl., v. 24 (5-6), 59-66
human ocular myiasis with symptoms of conjunctivitis, case reports: Bitola, Macedonia

Eye
Lechevalier, B.; Houtteville, J. P.; and Blet, J. N., 1974, Nouv. Presse Med., v. 3 (8), 456 [Letter]
ocular paralysis in man who had been bitten on lower eye lid by tick, case report: Caen, France

Eye
Lemmingson, W., 1972, Mod. Problems Ophth., v. 10, 312-318
Toxocara larval infestation of eye with resulting secondary retinal detachment, clinical and surgical aspects

Eye
Lester, R. J. G.; and Freeman, R. S., 1975, J. Parasitol., v. 61 (5), 970-972
testing for ability of cercariae to penetrate eyes of laboratory animals

Eye
Lucot, J.; and Chovet, M., 1972, Medecine Trop., v. 32 (4), 523-525
Loa loa, humans, conjunctival manifestations

Eye
Mak, J. W.; et al., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (1), 141 [Demonstration]
Brugia malayi, complete adult male and gravid female recovered from small cyst from bulbar conjunctiva of woman's right eye, blood smear positive for B. malayi, case report: Johore, Malaysia

Eye
Mak, J. W.; et al., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (2), 226-229
Brugia malayi, infection of human conjunctiva with recovery of adult male and female worms from conjunctival cyst, woman's microfilaremia successfully treated with diethylcarbamazine: near Segamat, Johore, Indonesia

Eye
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survey of human Toxoplasma gondii infection, probable significant factor in eye and lymphatic disease in Tasmania

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Eye
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youth with sub-acute bilateral edematous papillitis associated with anodular onchocerciasis, macrofilarial treatment with suramin, followed by diethylcarbamazine resulted in degenerative chorioretinopathy probably caused by diethylcarbamazine treatment: Tchad

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human onchocerciasis infection of retina resulting in white degenerating intra-retinal spots, only young people affected, no functional impairment

Eye
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Cysticercus cellulosae causing encysted abscess with ocular retraction syndrome, eye of 7-year-old girl: Bolivia

Eye
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Coenurus glomeratus excised from anterior chamber of eye of 15-year-old boy, clinical case report: Egypt

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Angiostrongylus cantonensis male worm removed from eye of woman, some residual visual impairment, history of eating raw vegetables possibly contaminated by snails and of residence in rat-infested area: Semarang, Central Java

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onchocerciasis, human, prevalence, age and sex rates, microfilaremia, subcutaneous nodules, symptoms, skin changes, visual acuity, corneal opacities, hemoglobin genotype, entomology: Ibarapa, Western State, Nigeria

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light and electron microscopic study of pathology of Toxoplasma gondii retinitis lesions in exper. rabbit

Fasting. See Diet.

Fats. See Lipids.

Fatty acids. See Lipids.

Fecal examination. See Technique, Fecal examination.

Federation of Malaysia. See Malaysia.

Feeding. [See also Phagocytosis]

Feeding
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Feeding
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Haemaphysalis wellingtoni, life cycle, reproduction, direct correlation between amount of blood ingested by females and number of eggs laid by them

Feeding
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Schistosoma mansoni, schistosomules, colchicine and vinblastine treatment, inhibition of feeding, ultrastructural changes in esophageal gland, effects on microtubules and secretion in this area

Feeding
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Schistosoma mansoni schistosomules, in vitro development of digestive tract, ultrastructure of esophagus, esophageal gland, and cecum; ingestion of red blood cells stimulates 'dense granule' synthesis and increased growth of cecal region

Feeding
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Hyalophysa chattoni, fine structure of organelles concerned with ingestion of exuvial fluid by trophont

Feeding
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Terebrospira, fine structure of feeding stage in Palaemonetes pugio

Feeding
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Terebrospira chattoni, fine structure during ingestion of exoskeleton of Palaemonetes pugio, demonstration of extracellular acid phosphatase and acid phosphatase bound to cell membrane

Feeding
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nutrition of nematodes

Feeding
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Haemaphysalis spinigera, cement substance at site of attachment and feeding, derived from salivary glands, histochemical study

Feeding
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larval nematodes, behavior, review (nematode senses, locomotion, movement patterns as tracked on agar, mechanisms of orientation)

Feeding
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behavioral analysis of nematode movement, extensive review

Feeding
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Boophilus microplus, characterization of prostaglandin, active component in saliva, probable role in establishing feeding lesion

Feeding
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Nippostrongylus brasiliensis in fed vs. fasted rats, 10 vs. 15 day old infections, activity rates, postures, and temporal movement patterns observed in vivo, differences correlated with feeding regime of host and could thus lead to habitat selection

Feeding
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Ornithodoros gurneyi, rats (exper.), regulation of circadian rhythms controlling time of detachment of engorged larvae and nymphs, relevance to tick ecology

Feeding
Douglass, T. G., 1977, J. Electr. Micr., v. 26 (2), 177 [Abstract]
Selenidioides sp., function of anterior complex of merozoites (conoid, rhoptries, micronemes, subpellicular microtubules) in feeding and other activities, electron microscopy

Feeding
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Babesia equi, feeding mechanism, organelles involved with ingestion of nutrients (cytostome for taking in hemoglobin and previously undescribed tubule which appears to in-

Feeding
Fujisaki, K.; Kitaoka, S.; and Morii, T., 1976, National Inst. Animal Health Quart., v. 16 (3), 122-128
comparative observations, feeding, molting, oviposition and hatching, ixodid ticks, laboratory cultural conditions

Feeding
Gabbay, S.; and Warburg, M. R., 1976, J. Insect Physiol., v. 22 (9), 1291-1301
Ornithodoros tholozani, appearance of neurosecretory cells as related to feeding, blood digestion, mating, and oogenesis

Feeding
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Cochliomyia hominivorax, feeding behavior and reproductive status of females attracted to a host, relationship to mating and ovarian development

Feeding
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Hyalomma (H.) dromedarii, H. (H.) anatolicum excavatum, premolting nymphs, engorged and ovipositing females, total lipid fatty acids and free fatty acid fractions of hemolymph and gut and molting fluids, changes in relation to feeding, molting, and oviposition

Feeding
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Calicotyle kroyeri vs. Diclidophora merlangi, examination of 3 organ systems with respect to nutrition, diet, feeding mechanism (foregut, gut caeca, tegument)

Feeding
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Malpighamoeba locustae in Schistocerca gregaria, life cycle, ultrastructure, mode of feeding (phagocytosis)

Feeding
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Boophilus microplus, prostaglandins in saliva, role in feeding mechanisms

Feeding
James, B. L., 1976, Parasitology, v. 73 (2), xxii-xxiii [Abstract]
nutrition of marine Digenea in primary molluscan host

Feeding
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Tanqua tiara, ultrastructure of intestinal epithelium, presence of polymorphic inclusion bodies possibly associated with parasite's mode of feeding: Singapore

Feeding
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fluid secretion by in vitro salivary glands of ixodid ticks with progression of feeding, control of salivation is probably neural rather than hormonal

Feeding
Kaufman, W. R.; Diehl, P. A.; and Aeschlimann, A. A., 1976, Experientia, v. 32 (8), 986-987
Amblyomma hebraeum, increased Na, K-ATPase activity in salivary glands of feeding females, no activity changes in feeding males

Feeding
Khalil, G. M., 1976, Exper. Parasitol., v. 40 (2), 232-237
Argas arboreus, field-collected females, influence of short and long photoperiod before and/or after feeding on diapause induction and termination respectively

Feeding
Kitaoka, S.; and Fujisaki, K., 1976, National Inst. Animal Health Quart., v. 16 (3), 114-121
tick larvae, nymphs, accumulating process, concentration ratios, ingested blood meals

Feeding
Langreth, S. G., 1976, J. Protozool., v. 23 (2), 215-223
Babesia microti vs. Plasmodium lophurae, feeding mechanisms of parasites freed of host erythrocytes, ferritin uptake of in vitro culture system

Feeding
Langreth, S. G.; and Trager, W., 1973, J. Protozool., v. 20 (5), 606-613
Plasmodium lophurae, extracellular development in vitro, light and electron microscopy, incorporation of methionine or proline, observation of abnormalities which may indicate limits of extracellular cultivation in vitro (loss of host-derived outer parasite membrane and apparent reduction in feeding activity via food vacuoles)

Feeding
Langreth, S. G.; and Trager, W., 1975, J. Protozool., v. 22 (3), 23A [Abstract]
Babesia microti, Plasmodium lophurae, comparison of feeding mechanisms

Feeding
Layton, E. C.; and Sonenshine, D. E., 1975, J. Med. Entom., v. 12 (3), 287-295
Dermacentor variabilis, D. andersoni, females, structure of glands associated with foveae dorsales, histology and scanning electron microscopy, changes during feeding, possible role in sex pheromone activity

Feeding
Leahy, (Sr.) M. G.; et al., 1975, J. Med. Entom., v. 12 (4), 413-414
assembly pheromones from Ornithodoros and Argas species, interspecific responses; feeding increased pheromone production and decreased response; possible function in host location

Feeding
Leahy, M. G.; et al., 1976, Vet. Parasitol., v. 1 (3), 249-256
Rhipicephalus appendiculatus, attraction of male to female ticks in relation to feeding, results suggest possible existence of female sex pheromone

Feeding
Londono M., I., 1976, J. Parasitol., v. 62 (4), 589-595
Dipetalonema viteae larvae, distribution and migration in Ornithodoros tartakowskyi, as cause of injury to and disorganization of tick muscle fibers, failure of some ticks to feed after biting may protect from fatal hyperinfection

Feeding
Londono M., I., 1976, J. Parasitol., v. 62 (4), 596-603
number and proportion of infective Dipetalonema viteae larvae moving from biting Ornithodoros tartakowskyi to Meriones unguiculatus, possible factors involved in this migration

Feeding
Lushbaugh, W. B.; et al., 1976, Proc. 34. Ann. Meet. Electron Microsc. Soc. America, 140-141
Entamoeba histolytica, endocytosis and digestion by trophozoites, electron microscopy

Feeding
Machel, M.; and Krynski, S., 1976, Ztschr. Ang. Zool., v. 63 (3), 299-305
lice maintained in laboratory since 1918, constant conditions for 30 years, comparison with 30 years earlier: larval stage shortened, temperature range for development reduced, body weight and amount of blood taken increased

Feeding
Meyer, H.; and de Souza, W., 1973, J. Protozool., v. 20 (5), 590-593
Trypanosoma cruzi cultured in pigment epithelial cells of iris from chick embryo, fine structure, observations suggest uptake of melanin granules through cytostomes by process of intracellular phagotrophy

Feeding
Mishra, G. C.; and Dev, B., 1976, Ztschr. Parasitenk., v. 50 (1), 43-51
Poecilobdella granulosa, localization of acetylcholinesterase and butyrylcholinesterase in salivary glands; roles of these and other enzymes in biting

Feeding
Moorhouse, D. E., 1975, Ztschr. Parasitenk., v. 48 (1), 65-71
Argas persicus, larvae, feeding on chickens, histological studies, penetration by lysis, foreign body reaction, whole blood as diet throughout feeding, emigration of heterophils to surround mouthparts and mask them against foreign body reaction, example of adaptation tolerance; immunological response to salivary secretions not suppressed

Feeding
Mueller, B. E. G., 1975, Ztschr. Parasitenk., v. 47 (1), 23-34
Eimeria contorta, asexual development from sporozoite to first-generation merozoite in tissue culture, possible feeding function of some structures, electron microscopy

Feeding
Norval, R. A. I., 1975, J. Parasitol., v. 61 (4), 737-742
Amblyomma marmoreum, ecology: habitat preference, seasonal activity, seasonal occurrence on hosts, life cycle in laboratory correlated with field observations, temperature dependence of feeding time, effects of host seasonal behavior: Paardekraal Farm, Kowie River Valley, 15 km SE of Grahamstown, Eastern Cape Province, South Africa

Feeding
Ogunji, F. O.; and Dipeolu, O. O., 1977, Ztschr. Parasitenk., v. 51 (3), 285-288
Amblyomma variegatum, Hyalomma rufipes, Boophilus decoloratus, larval feeding on scrotum of sheep better than on ears, economical for rearing large numbers of ticks; greatest number of larvae engorged when fed within 1-4 days of hatching

Feeding
O'Hagan, J. E., 1977, Proc. 15. Internat. Cong. Entom. (Washington, D.C., Aug. 19-27, 1976), 266-276
Boophilus microplus, feeding process, chemical exchanges between mouth parts of ticks and their hosts, oral secretion and morphology of tick salivary gland, review

Feeding
Petrov, D.; and Gecheva, G., 1975, Vet. Med. Nauk., v. 12 (8), 25-32
Argas persicus, optimal temperatures for development 22-38° C, direct transformation of second stage nymphs to adults under favorable conditions, adult females laying eggs for first time have higher potential fertility than those having passed through several gonotrophic cycles, biological cycle continues throughout year in optimal conditions, adult engorges about 30 mg of blood at each feeding

Feeding
Purnell, R. E.; et al., 1973, Isotopes and Radiation Parasitol. III, 139-144
Rhipicephalus appendiculatus (unfed nymphs; engorged nymphs; moulting nymphs; unfed adults), effects of irradiation assessed by evaluating subsequent performance of ticks when fed on rabbits (mortality, attachment, feeding, mating, egg-laying); effects of irradiation on Theileria parva in salivary glands of adult ticks

Feeding
Rajcani, J.; et al., 1976, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 236 (1), 1-9
Dermacentor reticulatus, D. marginatus, Haemaphysalis inermis, morphology of mouth parts, host reactions to feeding and attachment, encephalitis virus transmission

Feeding
Reinhardt, C. A., 1976, Acta Trop., v. 33 (2), 105-132
Xenopsylla cheopis, Echidnophaga gallinacea, Tunga penetrans, ultrastructure of midgut epithelium in relation to feeding behavior patterns (temporary vs. stationary parasites)

Feeding
Rudzinska, M. A., 1976, J. Protozool., v. 23 (2), 224-233
intraerythrocytic Babesia microti, ultrastructure with emphasis on plasma membrane, feeding mechanism, and other areas of controversy

Feeding
Schleger, A. V.; et al., 1976, Austral. J. Biol. Sc., v. 29 (5-6), 499-512
Boophilus microplus larvae on cattle, cellular responses, degree of mast cell disruption, eosinophil concentration and degranulation and extent of epidermal vesiculation all greater in highly resistant hosts, possible immune mechanisms and effects on attachment and feeding

Feeding
Schleger, A. V.; and Lincoln, D. T., 1976, Austral. J. Biol. Sc., v. 29 (5-6), 487-497
Boophilus microplus larvae feeding on calves, demonstration and characterization of tick enzymes secreted into host at attachment site, probable role as antigens

Feeding
Schlick, W., 1973, Mikrokosmos, v. 62 (7), 199-201
Trichodina pediculus, feeding mechanism, morphology

Feeding
Smales, L. R., 1977, Internat. J. Parasitol., v. 7 (6), 449-456
Labiostrongylus eugenii, life history: embryogenesis, larval development within egg, hatching process, second and third stage larval morphology and development, optimal temperatures

Feeding
Sommerville, R. I.; and Davey, K. G., 1976, Internat. J. Parasitol., v. 6 (5), 433-439
Anisakis sp. larva, cuticle formation and ecdysis in vitro, development restarted by physico-chemical stimuli (effect of different media, carbon dioxide, storage, temperature), feeding does not occur until after moulting

Feeding
Srivastava, P. S.; and Sharma, N. N., 1976, Internat. J. Radiation Biol., v. 29 (3), 241-248
Hyalomma anatolicum, unfed adults and engorged females, effect of ^{60}Co irradiation on engorgement and reproduction

Feeding
Stiller, D.; and Ranchitham, S. T., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (3), 445-447 [Demonstration]
production of cement substance at site of attachment by Argas pusillus larvae; no production of cement substance noted with Ornithodoros batuensis

Feeding
Sweatman, G. K.; Tomey, G.; and Katul, G., 1976, Internat. J. Parasitol., v. 6 (4), 299-305
Hyalomma dromedarii, techniques for simultaneous and continuous recording by telemetry of (1) the feeding electrogram of the tick engorging on a free-ranging heifer and (2) the temperature of the tick at the site of attachment

Feeding
Tukahirwa, E. M., 1976, Parasitology, v. 72 (1), 65-74
Rhipicephalus appendiculatus, pre-feeding and feeding periods of larvae, nymphs, and adults on Oryctolagus cuniculus, pattern of engorgement

Feeding
Varghese, T., 1976, Ztschr. Parasitenk., v. 49 (1), 25-32
Eimeria labbeana, endogenous stages, fine structure of feeding organelles

Feeding
Varma, S.; Malik, P. D.; and Lal, S. S., 1976, Vet. Rec., v. 99 (13), 256
Balantidium coli, consumption of Ascarops strongylina eggs observed during routine fecal examination, pig; possible role in epidemiology of A. strongylina

Feeding
Volkova, G. N., 1975, Ekologiia, Sverdlovsk (5), 100-102
Androlaelaps pavlovskii, feeding, reproduction, and development under laboratory conditions

Feeding
Wade, J. O., 1976, Ann. Trop. Med. and Parasitol., v. 70 (1), 113-120
design for arthropod membrane feeding unit embodying electrical stirring device to insure even erythrocyte distribution throughout blood during feeding period

Feeding
Walker, S. P., 1977, Exper. Parasitol., v. 41 (1), 198-205
Probopyrus pandalicola in Palaemonetes pugio, discontinuous ingestion of host hemolymph, possible role of significant losses of hemolymph in parasitic castration: near Aurora, North Carolina

Feeding
Weise, R. W., 1977, J. Parasitol., v. 63 (5), 854-857
Haemonchus contortus, dorsal buccal lancet, light and electron microscopy, functional relation of morphologic findings to feeding mechanism

Feeding
Zielke, E., 1976, Tropenmed. u. Parasitol., v. 27 (2), 160-164
feeding experiments with Anopheles and Culex vectors of human Wuchereria bancrofti, comparison of infection rates and loss of worm burden when feeding on blood chamber, guinea pig or sugar water solution

Fertility. See Reproduction.

Fever
Callow, L. L.; and Pepper, P. M., 1974, Austral. Vet. J., v. 50 (1), 1-5
Babesia argentina, cattle, measurement of and correlations between fever, changes in the packed cell volume and parasitaemia in evaluation of susceptibility to infection; results suggest that most or all of anemia of B. argentina infections is related to growth and multiplication of parasite, and not to an autoimmune mechanism

Fever
Orsay, C. P.; and Heath, J. E., 1973, Nature (5429), v. 246, 162-163
Plasmodium berghei, mice, direct febrile response to injection of infected erythrocytes in pre-optic area

Fever
Oteng, A. K., 1973, Bull. Epizoot. Dis. Africa, v. 21 (4), 449-459
Uganda strain of Theileria parva, cattle (exper.), symptoms, fever, haematology, parasitaemia, pathology, transmission by blood and Rhipicephalus appendiculatus, no cross-immunity between strains of T. parva

Fever
Oteng, A. K., 1976, Pathophysiol. Parasit. Infect., 211-219
Theileria parva in Bos taurus and B. indicus, fever plays significant and critical role in course and pathogenesis of East Coast Fever

Fever
Seed, J. R.; and Varney, J. R., 1976, Exper. Parasitol., v. 40 (2), 238-249
Trypanosoma brucei gambiense-infected rabbits, changes in diurnal rhythm of body temperature, preliminary results on diurnal rhythms of water consumption, fecal and urine output, return of normal temperature curve following chemotherapy(hydrocortisone + pentamidine isethionate)

Fever
Veenendaal, G. H.; et al., 1976, Research Vet. Sc., v. 21 (3), 271-279
Trypanosoma vivax, goats, fever induced by T. vivax or bacterial endotoxins, comparison of roles of kinins and serotonins

Fine structure. See Morphology.

Fixation. See Technique, Specimen preparation and preservation.

Florida. See United States, Florida.

Fluorescent antibody. See Immunofluorescence.

Formosa. See Taiwan.

Fossil parasites. See Parasitology, History.

Fowl paralysis. See Paralysis, Fowl.

France
Beaucournu, J. C., 1976, Ann. Soc. Entom. France, n. s., v. 12 (2), 199-213
Ceratophyllidae of French mammals, geographic distribution, ecology, sex ratio, epidemiological role, review: France

France
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Toxoplasma gondii, cattle, sheep, serological survey: Cote d'Or, France

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increase in Taenia saginata in humans and bovine cysticercosis, decline in T. solium in humans and porcine cysticercosis, possible explanations and control measures: France

France
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intestinal parasites of children in metropolitan areas of France
(Oxyuris; Ascaris; Giardia lamblia; Taenia; Trichocephalus; amoebiasis; ancylostomiasis; strongyloidiasis)

France
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warble fly control on national basis with systemic organophosphorus insecticides: France

France
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analysis of human intestinal mixed parasitic infections found in hospital patients: Paris

Freezing. [See also Technique, Specimen preparation and preservation; Temperature]

Freezing
Botros, B. A. M.; Moch, R. W.; and Barsoum, I. S., 1975, Am. J. Vet. Research, v. 36 (3), 293-296
Babesia gibsoni, splenectomized and nonsplenectomized dogs (exper.), inoculation with fresh and preserved blood, prepatent period, clinical signs, duration of parasitemia, gross pathologic changes, clinicopathologic changes, histopathologic features, relationship of age of dogs to pathogenicity of infection

Freezing
Campbell, W. C.; and Thomson, B. M., 1973, Austral. Vet. J., v. 49 (2), 110-111
ensheathed and exsheathed nematode larvae, survival rates after liquid nitrogen freezing, cryoprotective effect of exsheathment; exsheathed larvae of Trichostrongylus colubriformis proved uninfective even if they had not been frozen

Freezing
Daggett, P.-M.; Norman, M.; and Simione, F. P., jr., 1976, J. Protozool., v. 23 (2), 9A-10A [Abstract]
Crithidia harmosa, C. luciliae, successful lyophilization

Freezing
Dalgliesh, R. J., 1972, Research Vet. Sc., v. 13 (6), 540-545
Babesia bigemina, evaluation of glycerol as a freezing protectant, infectivity of parasitised blood containing glycerol for cattle inoculated intravenously vs. subcutaneously

Freezing
Dalgliesh, R. J.; and Mellors, L. T., 1977, Cryobiology, v. 14 (4), 492-499
Babesia rodhaini, duration of freezing plateau did not affect parasite survival when cooling was slow and warming fast

Freezing
Dalgliesh, R. J.; Swain, A. J.; and Mellors, L. T., 1976, Cryobiology, v. 13 (6), 631-637
frozen Babesia rodhaini, survival, effects of cooling and warming rates and protection by dimethyl sulphoxide

Freezing
Diaz-Ungria, C., 1972, Bol. Soc. Venezolana Cien. Nat., Caracas (122-123), v. 29, 613-621
Trypanosoma vivax, Desowitz strain, susceptibility of rats and mice via intraperitoneal and subcutaneous routes, virulence for rodents after passage in Rhodnius prolixus and Musca domestica, susceptibility of sheep to this rodent strain, infection of rodents via gastric and buccal routes, indefinite preservation by freezing at -70°C.

Freezing
Diffley, P.; Honigberg, B. M.; and Mohn, F. A., 1976, J. Parasitol., v. 62 (1), 136-137
Trypanosoma congolense, improved method of cryopreservation in liquid nitrogen

Freezing
Dzotsenidze, L. L.; Namoradze, G. I.; and Mgebrishvili, N. N., 1976, Izvest. Akad. Nauk Gruzinsk. SSR, s. Biol., v. 2 (5), 435-439
Trichomonas vaginalis, T. hominis, maintenance up to 35 months in freezing apparatus, pathogenic effect for cell cultures retained

Freezing
Fayer, R., 1975, Proc. Helminth. Soc. Washington, v. 42 (2), 138-140
Sarcocystis-infected beef obtained at slaughter or from retail food stores, effect of refrigeration, cooking, and freezing on infectivity to dogs, "the potential for transmission of Sarcocystis to humans and their pets by fresh beef clearly exists."

Freezing
Filardi, L. S.; and Brener, Z., 1975, J. Protozool., v. 22 (3), 398-401
Trypanosoma cruzi bloodstream forms, cryopreservation

Freezing
Fine, P. E. M., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 2-3 [Demonstration]
Parahistomonas wenrichi, in vitro maintenance at -79C

Freezing
Fortess, E.; and Meyer, E. A., 1976, J. Parasitol., v. 62 (5), 689
Giardia trophozoites, isolation from guinea pig, axenization, long-term culture, low temperature preservation

Freezing
Ivey, M. H., 1975, J. Parasitol., v. 61 (3), 550-552
Trichomonas vaginalis, virulence assays of recent isolates at 3 weeks after isolation and again at 3 and 10 months after continuous cultivation or storage in liquid nitrogen, significant loss of virulence after prolonged in vitro culture, original virulence preserved for long periods by storage in liquid nitrogen

Freezing
Ivey, M. H., 1975, J. Parasitol., v. 61 (6), 1101-1103
Trichomonas vaginalis, use of solid medium techniques to determine quantitatively the effects of freezing procedure variations on cell viability

Freezing
Jackson, G., 1977, Brit. Vet. J., v. 133 (3), 318-319
Trichinella spiralis larvae, recommendation that pig muscle samples for diagnosis by peptic digestion should not be frozen

Freezing
Jadin, J.; Timperman, G.; and De Ruysser, F., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (3), 235-237
pyrimethamine-resistant Plasmodium berghei virulent strains, variations in virulence and biological behavior after cryopreservation

Freezing
James, E., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 170-171 [Letter]
Schistosoma mansoni, S. mattheei, recovery of live larval forms following short periods of cryopreservation

Freezing
James, E., 1977, Colloque Cryoimmunol. (Dijon, June 17-19, 1976), 355-359
Schistosoma mansoni, S. bovis, S. mattheei, cryopreservation, a possible technique for storage of live attenuated vaccine (schistosomula prepared artificially from cercariae)

Freezing
James, E. R., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 288 [Demonstration]
Schistosoma mansoni schistosomula, evaluation of 25 chemicals for possible cryoprotective properties, methanol (because of low toxicity and good freezing point depression) judged best additive for cryopreservation

Freezing
James, E. R.; and Farrant, J., 1976, Cryobiology, v. 13 (6), 625-630
Schistosoma mansoni, S. mattheei, schistosomula, cryopreservation

Freezing
James, E. R.; and Farrant, J., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (6), 498-500
Schistosoma mansoni, successful recovery of infective schistosomula after storage in liquid nitrogen; only small percentage developed to adult worms, but technique shows promise for future storage of a live schistosomiasis vaccine

Freezing
Janitschke, K.; and Joerren, H. R., 1975, Tropenmed. u. Parasitol., v. 26 (3), 307-311
Toxoplasma gondii, cryopreservation of encysted forms in liquid nitrogen

Freezing
Joyner, L. P., 1971, Symposia Brit. Soc. Parasitol., v. 9, 1-37
laboratory maintenance of tick-borne Babesia and Theileria, extensive review: collection of field material and infection of laboratory animals; management and preparation of experimental animals; cyclical maintenance; mechanical transmission; tissue culture; low-temperature preservation

Freezing
Killick-Kendrick, R., 1971, Symposia Brit. Soc. Parasitol., v. 9, 39-64
murine malaria parasites: collection of strains from rodents; collection of strains from mosquitoes; establishment of strains in the laboratory; maintenance by cyclical transmission, extensive review

Freezing
Kliewer, I. O.; et al., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 39-41
Anaplasma marginale, preservation by freezing in liquid nitrogen, length of storage, minimum infective dose

Freezing
Long, P. L., 1971, Symposia Brit. Soc. Parasitol., v. 9, 65-75
maintenance of Eimeria and Histomonas in vivo, extensive review: maintenance of Eimeria (purification of species, exper. infections in chickens, factors affecting susceptibility of chickens and chicken embryos to infection; freeze-preservation); maintenance of Histomonas meleagridis (infection with ground-up infected tissues; use of in vitro cultures to obtain in vivo infections; use of embryonated Heterakis gallinarum ova to induce histomoniasis in vivo)

Freezing
Love, J. N.; McEwen, E. G.; and Rubin, R. M., 1976, Am. J. Vet. Research, v. 37 (7), 857-858
infectivity of cryogenically preserved Anaplasma marginale-infected erythrocytes which were thawed and then maintained for periods from 2 to 96 hours and 5 to 19 days at 25 C., calves

Freezing
Medrea, N.; Gamentzy, Z.; and Boeriu, C., 1975, Rev. Crest. Animalelor, v. 25 (4), 67-70
Trichomonas foetus in infected sperm destroyed by freezing at -196° C, comparison with T. gallinae

Freezing
Michael, S. A.; and El Refaii, A. H., 1976, Agric. Research Rev., v. 54 (7), 31-34
Babesia canis, maintenance in laboratory for antigen production, infected canine blood at 6°C in ACD solution, method more advantageous than deep freezing technique

Freezing
Miyata, A., 1973, Nettai Igaku (Trop. Med.), v. 15 (3), 141-153
Trichomonas vaginalis, Tritrichomonas foetus, preservation by freezing, effects of precooling and of cryo-protective glycerol, dimethyl sulfoxide or salt concentration on storage

Freezing
Miyata, A., 1973, Nettai Igaku (Trop. Med.), v. 15 (4), 204-213
Entamoeba histolytica, Toxoplasma gondii, Plasmodium berghei, Trypanosoma gambiense, preservation by freezing, evaluation of precooling and cryo-protective solutions, length of survival; T. gondii (Beverley strain) unable to survive freezing

Freezing
Miyata, A., 1975, Nettai Igaku (Trop. Med.), v. 17 (2), 55-64
Trichomonas vaginalis, 5 strains, effects of time and temperature on preservation with glycerol or dimethyl sulfoxide, survival rate after freezing and thawing procedure

Freezing
Miyata, A., 1976, Nettai Igaku (Trop. Med.), v. 18 (3), 143-149
Trichomonas vaginalis, prolonged preservation by freezing, comparative study of protective effects of glycerol, ethylene glycol and DMSO

Freezing
Morzaria, S. P.; et al., 1977, Research Vet. Sc., v. 22 (2), 190-193
Babesia major derived from Haemaphysalis punctata nymphs, cryopreservation, subsequent infectivity for cattle

Freezing
Obiamiwe, B. A.; and Macdonald, W. W., 1971, Ann. Trop. Med. and Parasitol., v. 65 (4), 547-554
Brugia pahangi microfilariae, technique for freezing and storing, subsequent development in mosquito host and final development in vertebrate host

Freezing
Pilley, B. M., 1976, J. Invert. Path., v. 27 (3), 349-350
preservation of Nosema necatrix infective spores in Spodoptera exempta by lyophilization

Freezing
Purnell, R. E.; Brocklesby, D. W.; and Harradine, D. L., 1975, Vet. Parasitol., v. 1 (2), 199-202
Babesia divergens, B. major, Theileria mutans, successful cryopreservation using either dimethyl sulphoxide or glycerol as cryoprotectants

Freezing
Raether, W.; and Seidenath, H., 1974, Tropenmed. u. Parasitol., v. 25 (1), 28-41
T[rypanosoma] rhodesiense, T[rypanosoma] brucei, influence of different physiological solutions and a blood substitute on motility and infectivity after deep-freezing in liquid nitrogen

Freezing
Raether, W.; and Uphoff, M., 1976, Internat. J. Parasitol., v. 6 (2), 121-125
Entamoeba histolytica axenic and monoxenic (in association with Crithidia sp.) cultures, survival after storage in liquid nitrogen, semiautomatic vs. automatic freezing, influence of specimen concentration and different plastic storage vessels

Freezing
Richards, W. H. G.; and Neal, R. A., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 276-277 [Demonstration]
parasitic protozoa stored frozen in liquid nitrogen, survival records

Freezing
Richey, E. J.; et al., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 35-39
Anaplasma marginale, preservation by lyophilization, preliminary results: protective substances; duration of infectivity; effect of time of collection of infected blood during patent period

Freezing
Samish, M.; and Pipano, E., 1977, J. Protozool., v. 24 (2), Suppl., 19A [Abstract]
Theileria annulata-infected Hyalomma detritum, storage at -79°C. of triturated tick suspensions, successful subsequent infection of calves

Freezing
Saul, K. W.; and Kreier, J. P., 1977, Tropenmed. u. Parasitol., v. 28 (3), 302-318
Plasmodium berghei-infected rats (exper.), immunization with antigens of a sonically freed preparation of erythrocytic parasites rich in merozoites, evaluation in rats of 3 age groups and of vaccine with and without adjuvants, freeze-thawed freed parasites did not lose antigenicity when stored up to 2 weeks

Freezing
Simione, F. P., jr.; et al., 1977, Cryobiology, v. 14 (4), 500-502
protozoa, successful freeze preservation in plastic ampoules

Freezing
Simione, F. P., jr.; and Daggett, P.-M., 1976, J. Parasitol., v. 62 (1), 49
Naegleria fowleri, N. gruberi, successful freeze preservation of pathogenic and nonpathogenic Naegleria species

Freezing
Sohi, S. S.; and Wilson, G. G., 1976, Canad. J. Zool., v. 54 (3), 336-342
Nosema disstriae, cell lines developed from hemocytes and ovarian tissues of naturally infected Malacosoma disstria larvae, spores from hemocyte cultures infectious to host larvae, possible use in large-scale production of insect pathogens; ovarian cultures disappeared after several passages

Freezing
Thomas, R. J.; Waller, P. J.; and Cottrill, B. R., 1975, Research Vet. Sc., v. 19 (1), 113-114
Haemonchus contortus larvae used as source of antigen, decrease in antigenic potency following storage for 2 months at 5°C, no such decline in larvae killed by freezing and stored at -15°C, suggested that loss of potency with ageing may be partly responsible for increased worm populations in sheep in spring

Freezing
Vetter, J. C. M.; and Klaver-Wesseling, J. C. M., 1977, J. Parasitol., v. 63 (4), 700
Ancylostoma ceylanicum, unimpaired infectivity of larvae after storage in liquid nitrogen for one year

Freezing
Wade, J. O., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 111 [Demonstration]
low-temperature cooling cabinet for cryopreservation of hemo-parasites

Freezing
Wilson, R. J. M.; and Phillips, R. S., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 279-280 [Demonstration]
Plasmodium falciparum, multiplication in vitro of cryopreserved parasites as a method to test inhibitory antibody responses to wild populations of parasites of potentially disparate antigenicity

French Guiana
Bois, E.; et al., 1976, Medecine et Malad. Infect., v. 6 (1), 4-11
Entamoeba histolytica, malaria, epidemiologic survey of Amerindian tribes in French Guiana, widespread infections increasing with age

French Guiana
Fribourg-Blanc, A.; Bois, E.; and Feingold, J., 1975, Medecine et Malad. Infect., v. 5 (10), 502-507
toxoplasmosis, epidemiologic survey of Amerindian tribes in French Guiana, implication of wild animals used as food source as possible reservoir hosts

Fungi
Adeloye, A.; Aghadiuno, P.; and Osuntokun, B. O., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 129-131
Schistosoma haematobium, human, mixed infections with fatal cryptococcal granuloma (toruloma) of central nervous system: Nigeria

Fungi
Aller, B.; and Aller, J. M., 1973, Rev. Iber. Parasitol., v. 33 (2-3), 337-346
nematodes of sheep lungs, lower incidence of fungi in parasitized lungs: Leon

Fungi
Al-Salihi, F. L.; Curran, J. P.; and Wang, J. S., 1974, Pediatrics, Am. Acad. Pediat., v. 53 (2), 196-200
survey of nonselected newborn population for presence of Trichomonas vaginalis, clinical review and reports of 3 cases with associated Monilia infections

Fungi
Barbee, W. C.; Ewert, A.; and Folse, D., 1977, Trop. and Geogr. Med., v. 29 (1), 65-73
mixed Brugia malayi-fungal infections of lymphatic system in cats (exper.) resulted in exacerbation of both infections

Fungi
Borowski, J.; et al., 1970, Med. Dosw. i Mikrobiol., v. 22 (1), 83-89
Trichomonas vaginalis, mice (exper.), in mixed infection with Candida albicans fungus cells increased and Trichomonas cells decreased but became predominant infection in spleen or liver

Fungi
Bwangamoi, O., 1972, Bull. Epizoot. Dis. Africa, v. 20 (3), 211-220
ringworm (Trichophyton equinum) of horses, concurrent heavy infestation with Boophilus decoloratus and one case of Besnoitia bennetti, case reports; Uasin Gishu Skin Disease is a misleading name and should be abandoned because it refers to clinical syndrome produced by different causal organisms: Kahawa, Kenya

Fungi
de Carneri, I.; and Di Re, F., 1972, Parassitologia, v. 14 (2-3), 267-268
Trichomonas vaginalis, human, frequency, negative correlation with frequency of moniliasis, significance in control: Sesto San Giovanni (Milano)

Fungi
Forgacs, J.; and Tarnoczy, P., 1973, Minerva Ginec., v. 25 (4), 210-217
Trichomonas vaginalis vaginitis and mixed moniliasis infections, humans, use of vaginal methyl-partricin compared with control protozoacides; metronidazole superior for single infections, methyl-partricin for mixed infections

Fungi
Furfaro, M.; Ferro, P.; and Maragliano, G., 1973, Minerva Ginec., v. 25 (3), 160-164
human Trichomonas vaginalis, mixed vaginal infections with Monilia, statistical survey, highest incidence during pregnancy with low incidence prior to puberty and after menopause

Fungi
Hajsig, M.; and Cuturic, S., 1969, Mykosen, v. 12 (4), 243-244
Myocoptes musculinus discovered in laboratory mice, possible role of mites in spread of dermophytosis

Fungi
Krick, J. A.; and Remington, J. S., 1975, J. Infect. Dis., v. 131 (6), 665-672
mice infected with Toxoplasma gondii or Besnoitia jellisoni, significant resistance to mixed infections with nocardiosis, possible cell-mediated immunity

Fungi
Loos-Frank, B.; and Zimmermann, G., 1976, Ztschr. Parasitenk., v. 49 (3), 281-289
Dicrocoelium dendriticum-infected Formica pratensis, ant behavioral changes similar to those caused by infection with fungus, Entomophthora; necessity for differentiating causes of behavioral changes in studies of ants as intermediate hosts

Fungi
Marchal, M., 1976, Compt. Rend. Soc. Biol., Paris, v. 170 (2), 295-299
Pseudomonocystis sp.-infected Melolontha melolontha, increased susceptibility to exper. infection with low or medium doses of spores of Beauveria brongniartii

Fungi
Meyer, E. A., 1976, Exper. Parasitol., v. 39 (1), 101-105
Giardia lamblia, methods used to establish trophozoites in presence of intestinal fungi, to separate the protozoa from the fungi, and to culture it axenically for more than a year

Fungi
Reinhardt, D. J.; Kaplan, W.; and Chandler, F. W., 1977, Am. Rev. Resp. Dis., v. 115 (1), 170-172
Pneumocystis carinii, cyst forms morphologically similar to zygomycete spores, direct fluorescent antibody technique helpful in differentiating from fungus

Fungi
Spier, S.; et al., 1977, Arch. Dermat., Chicago, v. 113 (8), 1104-1105
human cutaneous leishmaniasis, differential diagnosis from sporotrichosis, clinical case report, resolution of ulcer after pentostam therapy: Panama

Fungi
Stankiewicz, M., 1969, Acta Parasitol. Polon., v. 17 (1-19), 39-46
Strongyloides papillosus larvae, sheep and rabbit strains, responses to light of various intensities, desiccation and temperature; pattern of migration from water by dense group of larvae; reaction to various chemicals; destruction by fungi; no differences between strains

Fungi
Virat, M.; and Gevrey, T., 1976, Ztschr. Parasitenk., v. 48 (3-4), 299 [Abstract]
Haemonchus contortus, infectious larvae, trapping activity of several species of predacious fungi, adhesive networks more effective than sticky knobs or constricting rings, Arthrobotrys oligospora and Dactylaria thaumasia more effective species, invasion of worms

Fungi
Virat, M.; and Peloille, M., 1977, Ann. Recherches Vet., v. 8 (1), 51-58
predatory activity of fungus Arthrobotrys oligospora against larvae of Haemonchus contortus, optimal temperatures, larval density

Fungi
Wyatt, R. D.; Ruff, M. D.; and Page, R. K., 1975, Avian Dis., v. 19 (4), 730-740
chicks, interaction of aflatoxin with Eimeria tenella infection and monensin: E. tenella and aflatoxin in combination significantly increased mortality and weight depression, and caused more severely reduced hemoglobin, packed cell volume, and plasma pigmentation; monensin sodium did not completely prevent mortality and weight depression in a mixed infection; coccidial lesion scores were less for combination of E. tenella and aflatoxicosis than for coccidiosis alone

Gametes. [See also Gametogenesis]

Gametes
Anya, A. O., 1976, Advances Parasitol., v. 14, 267-351
physiological aspects of reproduction in nematodes, extensive review: range of reproductive phenomena; reproductive system; male and female gametes; physiology of fertilization; development; sex differentiation; nutrition and other factors in egg production; behavioural aspects of reproduction; reproductive phenomena and parasitism

Gametes
Borut, S.; and Feldman-Muhsam, B., 1976, J. Parasitol., v. 62 (2), 318-320
Argasidae spp., Ixodidae spp., in vitro spermiogenesis

Gametes
Bradley, R. H.; and Burghardt, R. C., 1976, Proc. 34. Ann. Meet. Electron Microsc. Soc. America (Miami Beach, Florida, Aug. 9-13), 158-159
Ascaris spermatozoa, immunocytochemistry of surface changes during maturation, specific antigenic differences between inactive and active, mature cells, studies by unlabeled antibody enzyme method; possible relationship to sperm's ability to recognize and/or penetrate oolemma of oocyte

Gametes
Canning, E. U.; et al., [1977], Ann. Parasitol., v. 51 (6), 1976, 607-623
Hepatocystis malayensis, H. brayi, merocyst, gametocytes, gametogenesis, fertilization, ultrastructural observations

Gametes
Chobotar, B.; et al., 1975, Ztschr. Parasitenk., v. 48 (2), 111-121
Eimeria ferrisi, macrogamonts and macrogametes in epithelial cells of Mus musculus cecum and colon, ultrastructure, development, oocyst wall formation

Gametes
Doens-Juteau, O., 1974, J. Protozool., v. 21 (3), 470 [Abstract]
Eimeria tenella, macrogamete, oocyst, surface ultrastructure

Gametes
Feldman-Muhsam, B.; and Filshie, B. K., 1976, Tissue and Cell, v. 8 (3), 411-419
Ornithodoros gurneyi, O. tholozani, spermiophores, scanning and transmission electron microscopy, possible explanation of motility

Gametes
Ferguson, D. J. P.; et al., 1977, Acta Path. et Microbiol. Scand., v. 85B (1), 67-77
Eimeria brunetti, ultrastructural changes occurring during microgametogony, ultrastructure of microgamete

Gametes
Ferguson, D. J. P.; et al., 1977, Acta Path. et Microbiol. Scand., v. 85B (1), 78-88
Eimeria brunetti, ultrastructural changes occurring during macrogametogony, ultrastructure of macrogamete

Gametes
Ferguson, D. J. P.; Hutchison, W. M.; and Siim, J. C., 1975, J. Protozool., v. 22 (3), 51A [Abstract]
Toxoplasma gondii, development of macrogamete and oocyst, ultrastructural study

Gametes
Goldstein, P.; and Moens, P. B., 1976, Chromosoma, v. 58 (2), 101-111
Ascaris lumbricoides var. suum, chromosome number determined from count of synaptonemal complexes, oocyte and spermatocyte pachytene nuclei

Gametes
Grant, W. C.; Harkema, R.; and Muse, K. E., 1976, J. Parasitol., v. 62 (1), 39-49
Pharyngostomoides procyonis, spermatogonia, nutritive cells, developmental stages of spermatids, ultrastructure, preliminary observations on seminal reservoir, seminal vesicle, and sperm found in these organs

Gametes
Halton, D. W.; and Hardcastle, A., 1976, Internat. J. Parasitol., v. 6 (1), 43-53
Diclidophora merlangi, spermatogenesis, maturation of spermatozoon and its ultrastructure, early stages of cellular development in testis

Gametes
Halton, D. W.; Stranock, S. D.; and Hardcastle, A., 1976, Parasitology, v. 73 (1), 13-23
Diclidophora merlangi, Diplozoon paradoxum, Calicotyle kroyeri, ultrastructural changes accompanying oocyte differentiation

Gametes
Kitajima, E. W.; Paraense, W. L.; and Correa, L. R., 1976, J. Parasitol., v. 62 (2), 215-221
Schistosoma mansoni, sperm, fine structure

Gametes
Lora Lamia Donin, C.; and Cotelli, F., 1977, J. Ultrastructure Research, v. 61 (2), 193-200
Gordius panighettensis, ultrastructure of spermatozoon; aberrant immotile, rod-like sperm unlike any other in zoological scale

Gametes
Madden, P. A.; and Vetterling, J. M., 1977, J. Parasitol., v. 63 (4), 607-610
Eimeria tenella, development of microgametes from microgamont stage to maturity and fertilization, scanning electron microscopy

Gametes
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Centrorhynchus milvus, spermatozoon, ultrastructure

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Acanthosentis tilapiae, spermatozoon, variation in number of central fibers in flagellum

Gametes
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Gametes
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Gametes
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Gametes
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Schistosoma spp., pattern of gonial and vitelline cell labeling with ^{3}H-thymidine, timing of development and movement of these reproductive cells

Gametes
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Gametes
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Gametes
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Gametes
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Gametes
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Grebneckiella pixellae, scanning electron microscopy of various life cycle stages reveals: epimerite as attachment organ to host gut epithelium, epicytic folds of body wall at various regions of trophozoite, changes in body folds during gamont formation and sexual dimorphism, syzygy, gamete formation, spore structure, possible role of epicytic folds in gregarine movement and absorption of nutrients

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Plasmodium falciparum, gametocytogenesis in vitro

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Sarcocystis sp., fine structure of gametogony and oocyst formation

Gametes
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Nematospiroides dubius, spermatozoa, description and location, movement in vitro, speed, locomotion not considered to be amoeboid but resembles movement of monopodial neutrophils

Gametes
Zizka, Z., 1977, J. Protozool., v. 24 (2), Suppl., 17A-18A [Abstract]
Adelina tribolii microgametocytes, fine structure

Gametogenesis. [See also Gametes; Reproduction]

Gametogenesis
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Eimeria kotlani, ultrastructure of macrogamete; development within host cell nucleus; structure of wall forming bodies; nutrition presumably by pinocytosis

Gametogenesis
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Gametogenesis
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Gametogenesis
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Gametogenesis
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Gametogenesis
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Gametogenesis
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Ornithodoros tholozani, appearance of neurosecretory cells as related to feeding, blood digestion, mating, and oogenesis

Gametogenesis
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Gametogenesis
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Ascaris lumbricoides var. suum, spermatogenesis and spermiogenesis, morphology of chromosomes

Gametogenesis
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Gametogenesis
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Gametogenesis
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Hymenolepis microstoma, in vitro cultivation, artificially excysted cysticercoids to egg producing adults, role of serum for strobilization and gametogenesis (results suggest success depends upon presence of certain heme compounds in the serum)

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Boophilus decoloratus, growth of reproductive organs and gametogenesis in male and female, timing of meiosis, spermiogenesis, mating and sperm relocation in female

Gametogenesis
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Eimeria tenella, development of microgametes from microgamont stage to maturity and fertilization, scanning electron microscopy

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Gametogenesis
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Serrasentis socialis, course of spermatogenesis, migration of centriolar derivative

Gametogenesis
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Acanthobothrium, Onchobothrium, spermatogenesis, spermatozoon differentiation and fine structure, electron microscopy

Gametogenesis
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Gametogenesis
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Ascaris lumbricoides, quantitative changes in DNA, histone, and basic nuclear protein content during spermatogenesis and oogenesis, microspectrophotometry

Gametogenesis
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Gametogenesis
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Eimeria ferrisi, mice, electron microscopy of microgamogony

Gametogenesis
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Gametogenesis
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Plasmodium, nuclear organization during gametogenesis

Gametogenesis
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Eimeria magna, fine structure of young, intermediate, and mature macrogamonts

Gametogenesis
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Eimeria magna, microgametogenesis in rabbits and in kidney cell cultures, fine structure of developmental stages

Gametogenesis
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Fasciola hepatica, disruption of spermatogenesis, known fasciolicides and other anthelmintics tested

Gametogenesis
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Eimeria zuernii, calves (exper.), life cycle apparently contains at least two schizogonous generations before gametogony

Gametogenesis
Triantaphyllou, A. C.; and Moncol., D. J., 1977, J. Parasitol., v. 63 (6), 961-973
Strongyloides ransomi, S. papillosus, chromosomal complement, gametogenesis, mode of reproduction, sex determination, hybridization tests

Gametogenesis
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Gametogenesis
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Toxoplasma gondii, microgamogony, cats

Gametogenesis
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Toxoplasma gondii, intestine of cat, intraepithelial stages of asexual and sexual multiplication; macrogamogony and oogony

Gametogenesis
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Eimeria mivati, ultrastructure of macrogametogenesis

Gametogenesis
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Strongyloides papillosus females, calf strain, diploid parthenogenesis and diploid chromosome number 2n=4; maturation of oocytes: ameiotic parthenogenesis in parasitic females and meiotic parthenogenesis in free-living females

Gamma radiation. See Radiation.

Garbage. See Disease transmission, Garbage.

Gastritis. [See also Stomach]

Gastritis
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Ostertagia circumcincta, sheep, repeated infections, food intake, total acid output of fundic pouches, pH of abomasal contents, plasma pepsinogen levels, effects reversed by thiabendazole treatment, secretory capacity of fundic pouches tested with pharmacologic agents and feeding

Gastritis
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Camelostrongylus mentulatus, experimentally infected sheep and associated gastritis

Gastritis
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Cryptosporidium in snakes, severe hypertrophic gastritis, pathological changes: Baltimore Zoo, Baltimore, Maryland [and/or] National Zoological Park, Washington, D.C.

Gastritis
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Ostertagia, sheep and cattle, physiopathology of gastritis, secretory changes of parasitized and non-parasitized mucosa, review

Gastroenteritis. [See also Intestine; Stomach]

Gastroenteritis
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dogs, eosinophilic gastroenteritis occurring simultaneously with visceral larva migrans and manifesting as chronic diarrhea, clinico- and histopathology, case reports, nematode larvae found in lesions of 3 of 5 cases, identified as Toxocara canis in 1

Gastroenteritis
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Toxocara canis, dogs (exper.), eosinophilic gastroenteritis, hematologic findings, serum proteins (β-globulin content as potential diagnostic tool), precipitating humoral antibodies, intradermal test, histopathology, comparison with naturally occurring disease

Gastroenteritis
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Ostertagia ostertagi and Cooperia spp. in young cattle during their first grazing season, free-living stages overwintered in sufficient numbers to cause reduced weight gain and clinical disease in early spring, thiabendazole treatment and move to clean pasture improved weight gain: Norway

Gastroenteritis
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nematode infections in grazing animals, epidemiology and control, extensive review: free-living stages (bionomics, transport); parasitic stages (population regulation, immunity, host differences, arrested development, post-parturient rise); parasitic gastro-enteritis in sheep and cattle; parasitic bronchitis in cattle

Gel diffusion. See Immunity, Precipitation.

Gel filtration. [See also Chromatography]

Gel filtration
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gel filtration and ion exchange chromatography used to purify saline extract of Taenia saginata with resultant fractions used as antigen for serologic tests on cattle experimentally infected with Cysticercus bovis

Gel fractionation. See Gel Filtration; Chromatography.

Genes. See Chromosomes; Genetics.

Genetics. [See also Adaptation; Chromosomes; Evolution]

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Genetics
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Genetics
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Babesia argentina, experimental infection in Droughtmaster cattle which are somewhat resistant to babesiosis, no apparent correlation between hemoglobin types and resistance to infection

Genetics
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evidence for genetic control of invertebrate immunity and its possible field significance, review

Genetics
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Schistosoma mansoni, intermediate host specificity (Biomphalaria), extensive review

Genetics
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Nippostrongylus brasiliensis, inhibition of development and infectivity by actinomycin-D, supports hypothesis that infection is dependent upon new gene expression, i.e., transcription

Genetics
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Nippostrongylus brasiliensis, role of gene expression in regulating cuticle formation during second molt, results strongly suggest that messenger RNA specific for molting was synthesized at 90 hours

Genetics
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Trypanosoma cruzi from Panstrongylus megistus, multinucleated syncytial mass previously undescribed in life cycle, possible genetic exchange involved

Genetics
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Genetics
Brown, A., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 284 [Demonstration]
Plasmodium yoelii, technique for isolation of microgametes of malaria parasites, potential use in genetic studies

Genetics
Buengener, W., 1975, Tropenmed. u. Parasitol., v. 26 (3), 281-284
Trypanosoma musculi in inbred mice (exper.), parasite multiplication and course of infection in single infection, after pre-infection with T. congolense, or with added infection of T. brucei

Genetics
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Genetics
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Plasmodium falciparum, enzyme variation in parasites in blood of women and children, genetic diversity and its distribution: The Gambia

Genetics
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Genetics
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argument that genetic interactions between parasites and their hosts have played important perhaps even dominant role in maintaining protein polymorphisms, 3 hypotheses with supporting evidence, mathematical models of specific and general host resistance, consequences for evolutionary theory, symposium presentation

Genetics
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Haemonchus contortus, genetic studies of female polymorphism

Genetics
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Nematospiroides dubius, influence of serial passage on infectivity and immunogenicity in mice

Genetics
Dojmi Di Delupis, G.; Palmieri, C.; and Piccione, G., 1972, Parassitologia, v. 14 (2-3), 305-308
Plasmodium gallinaceum, maintenance in lines of Anopheles stephensi selected for low or high receptivity, development of oocysts in various generations of both lines

Genetics
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Toxoplasma gondii, Besnoitia jellisoni, loss of stages after prolonged passage in tachyzoite stage (T. gondii developed cysts which when fed to cats failed to produce oocysts; B. jellisoni lost capacity to form cysts), phenomena explained by loss of genomes or gene products

Genetics
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Plasmodium falciparum, P. vivax, Duffy blood group antigens, sickle cell trait carriers and resistance to malaria: Saudi Arabia

Genetics
Gillig, C. J.; and Honigberg, B. M., 1973, J. Protozool., v. 20 (4), 504
Leishmania donovani, promastigotes, adaptation to cultivation at 37 C., genetic selection rather than dauermodification appears to be responsible for thermal adaptation

Genetics
Goldstein, P., 1977, J. Morphol., v. 152 (2), 141-151
Ascaris lumbricoides var. suum, chromatin diminution in early embryogenesis, three characteristic types of mitoses (pre-diminution, diminution, and post-diminution mitosis)

Genetics
Hawking, F., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 504-512
Trypanosoma brucei, T. rhodesiense, T. equiperdum, polymorphic strains, sensitivity to human plasma, composition and detailed analysis of typical strains using α_2-macroglobulin test

Genetics
Hawking, F., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 427-430
Trypanosoma rhodesiense (6 clones of stabilate), polymorphic trypanosomes (12 clones of stabilate), tests for resistance to human plasma, indications for fundamental differences of genetic material

Genetics
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synergistic interaction between favism and glucose-6-phosphate dehydrogenase deficiency in protection against malaria: Mediterranean area

Genetics
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Plasmodium berghei, 9-β-D-arabinofuranosyladenine markedly depresses total protein synthesis and induces pronounced changes in spectrum of proteins synthesized (indicating changes in commitment for gene expression)

Genetics
Jansen, J., 1977, Trop. and Geogr. Med., v. 29 (3), 316-317 [Abstract]
trichostrongylosis, sheep, questionable correlation between breed susceptibility to infections and hemoglobin types of breeds

Genetics
Jansma, W. B.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 926-936
Schistosoma mansoni, genetically transferred resistance to hycanthone produced under 3 different types of conditions

Genetics
Jeffers, T. K., 1975, J. Parasitol., v. 61 (6), 1083-1090
Eimeria tenella, attempt to genetically alter developmental rate in order to elucidate mechanisms controlling length of prepatent period, selection for precociousness was accompanied by attenuation, lack of pathogenicity apparently due to defective second-generation schizogony

Genetics
Jeffers, T. K., 1976, Ztschr. Parasitenk., v. 50 (3), 251-255
Eimeria tenella, decoquinate-sensitive, precocious strain crossed with decoquinate-resistant, normally developing strain, genetic recombination

Genetics
Joyner, L. P.; and Norton, C. C., 1977, Parasitology, v. 74 (2), 205-213
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Genetics
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Kinetoplastida, kinetoplast genetic system, implications for concept of cell differentiation and phylogeny, relationship to phenotype of these flagellates

Genetics
Krasnolobova, T. A., 1975, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 25, 64-71
Trematoda, bases of variation in morphology and size (environmental, seasonal, genetic, growth, host species, crowding, fixation techniques), review of experimental studies

Genetics
Le Jambre, L. F., 1977, Internat. J. Parasitol., v. 7 (1), 9-14
Haemonchus contortus cayugensis females, genetics of vulvar morph types, dominance hierarchy found to be linguiform > knobbed > smooth

Genetics
Le Jambre, L. F.; and Ractliffe, L. H., 1976, Parasitology, v. 73 (2), 213-222
Haemonchus contortus cayugensis, lambs, infection with selected strain of smooth or of linguiform worms and subsequent grazing on same pasture, seasonal changes in phenotypes in relation to population density (affects frequencies of linguiform A vs. B but not of smooth vs. linguiform), "It appears therefore that the proportion of smooth to linguiform worms is a stable equilibrium maintained by natural selection."

Genetics
Le Jambre, L. F.; and Royal, W. M., 1977, Internat. J. Parasitol., v. 7 (6), 481-487
Haemonchus contortus from New South Wales, genetics of vulvar morph types, dominance hierarchy of these characters found to be smooth > knobbed > linguiform, linguiform phenotype most common in wild type population

Genetics
Le Jambre, L. F.; Southcott, W. H.; and Dash, K. M., 1976, Internat. J. Parasitol., v. 6 (3), 217-222
Haemonchus contortus, dose mortality response of strains selected by thiabendazole or by thiabendazole plus morantel tartrate to thiabendazole, morantel tartrate, or levamisole, results indicate that resistance to thiabendazole is due to a single gene and resistance to morantel tartrate is polygenic in nature

Genetics
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Aedes scutellaris complex, Culex pipiens, genetics, relevance to possible control of filariasis vector populations, symposium presentation

Genetics
McGreevy, P. B.; McClelland, G. A. H.; and Lavoipierre, M. M. J., 1974, Ann. Trop. Med. and Parasitol., v. 68 (1), 97-109
Dirofilaria immitis, susceptibility of Aedes aegypti controlled by sex-linked recessive gene which is distinct from those controlling development of Brugia pahangi or D. corynodes, variation in filarial infectivity as well as in mosquito susceptibility

Genetics
Machel, M.; and Krynski, S., 1976, Ztschr. Ang. Zool., v. 63 (3), 299-305
lice maintained in laboratory since 1918, constant conditions for 30 years, comparison with 30 years earlier: larval stage shortened, temperature range for development reduced, body weight and amount of blood taken increased

Genetics
Mason, S. J.; et al., 1977, Brit. J. Haematol., v. 36 (3), 327-335
Plasmodium knowlesi, evaluation of role of Duffy blood group negative erythrocytes in host resistance to invasion by P. knowlesi merozoites

Genetics
Maudlin, I., 1976, Nature, London (5565), v. 262, 214-215
Trypanosoma cruzi, selection of both susceptible and refractory lines of Rhodnius prolixus, results of selection program related to genetic control of susceptibility to infection, using only male bugs of susceptible stock for xenodiagnosis should enhance sensitivity of this diagnostic test for chronic Chagas' disease

Genetics
Michel, J. F.; Lancaster, M. G.; and Hong, C., 1976, Internat. J. Parasitol., v. 6 (1), 83-86
Ostertagia ostertagi females, variation in form of vulval flap, effect of genetic factors much smaller than effect of host resistance

Genetics
Miller, L. H.; et al., 1976, N. England J. Med., v. 295 (6), 302-304
Plasmodium vivax, resistance factor in African and American blacks, Duffy determinants on erythrocyte surface required for invasion of erythrocyte by vivax merozoites (Duffy-blood-group-negative human erythrocytes resistant to invasion)

Genetics
Miller, L. H.; and Carter, R., 1976, Exper. Parasitol., v. 40 (1), 132-146
mechanisms of innate resistance in malaria, extensive review

Genetics
Newton, B. A., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 146-147 [Abstract]
Trypanosoma brucei sspp., amplification of kinetoplast DNA probably occurs in culture forms, much larger amounts of DNA in culture forms than in bloodstream forms; no significant differences found in T. lewisi forms

Genetics
Obiamiwe, B. A., 1977, Ann. Trop. Med. and Parasitol., v. 71 (3), 367-370
Brugia pahangi, susceptibility rates of 5 strains of Culex pipiens fatigans (exper.) to infections found to be low with no direct relationship to parasitemia but rather controlled by sex-linked recessive gene

Genetics
Obiamiwe, B. A., 1977, Ann. Trop. Med. and Parasitol., v. 71 (4), 487-490
sub-periodic Brugia malayi, periodic Wuchereria bancrofti, influence of the sb gene in Culex pipiens vectors on susceptibility to parasite development

Genetics
O'Kelly, J. C.; and Spiers, W. G., 1976, J. Parasitol., v. 62 (2), 312-317
Boophilus microplus, infestation of British vs. zebu calves in early life (nat. and exper.), differences in resistance, changes in blood composition

Genetics
Ong, T.-M.; et al., 1977, Mutation Research, v. 48 (1), 37-42
furapromidium, induces gene mutations in various test systems presenting a possible mutagenic and carcinogenic hazard to man being treated for schistosomiasis japonica

Genetics
Partono, F.; and Sri Oemijati, 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 516-518
Wuchereria bancrofti, susceptibility of Culex pipiens fatigans to infection, laboratory studies, genetic studies with three generations of mosquitoes, evidence of modifier genes

Genetics
Pasternak, J.; and Barrell, R., 1976, Genet. Research, v. 27 (2), 339-348
Ascaris lumbricoides, quantitation of nuclear DNA during gametogenesis and embryogenesis by Feulgen-microspectrophotometry, DNA constancy and chromatin diminution

Genetics
Pasvol, G.; and Weatherall, D. J., 1977, Brit. J. Haematol., v. 36 (3), 445-446 [Abstract]
P[lasmodium] falciparum, host resistance to infection probably related to genetics and acquired alterations in red blood cells

Genetics
Pfefferkorn, E. R.; and Pfefferkorn, L. C., 1976, Exper. Parasitol., v. 39 (3), 365-376
Toxoplasma gondii, chemical mutagenesis, selection of temperature-sensitive mutants, less virulent for mice than wild type RH strain

Genetics
Pfefferkorn, E. R.; and Pfefferkorn, L. C., 1977, Exper. Parasitol., v. 42 (1), 44-55
Toxoplasma gondii, inhibition of growth and RNA and DNA synthesis by 5-fluorodeoxyuridine (FUDR), isolation and partial characterization of FUDR-resistant mutant also resistant to fluorouracil and fluorouridine, examination of possible mechanisms of resistance yielded new insights into pyrimidine salvage pathways of the parasite

Genetics
Polianskii, Iu. I.; and Raikov, I. B., 1977, Zhurnal Obshch. Biol., v. 38 (3), 325-335
Protozoa, evolution, polymerization and oligomerization processes in nuclei and organelles, particularly ciliae, theoretical review

Genetics
Richards, C. S., 1976, Symposia Brit. Soc. Parasitol., v. 14, pp. 45-54
Schistosoma mansoni in Biomphalaria glabrata, genetics of host-parasite relationship, selection for substrains more and less infective than parent St. Lucian strain of parasite, snail susceptibility to these substrains, symposium presentation

Genetics
Ringelhann, B.; et al., 1976, Am. J. Hum. Genet., v. 28 (3), 270-279
possible relationships between hemoglobin types and human malarial infection rate, parasite species, parasite density, host age and sex; correlations with transplacental and passive immunity

Genetics
Rivera-Ortiz, C.-I.; and Nussenzweig, R., 1976, Exper. Parasitol., v. 39 (1), 7-17
Trichinella spiralis, differential ability of several inbred mouse strains of different histocompatibility locus specificities to produce reagin and IgG_1 antibodies in response to infection, relationship between production of anaphylactic antibodies and larval and adult recoveries, stage of life cycle which induces antibody formation

Genetics
Rosario, V. E., 1976, Nature (5561), v. 261, 585-586
Plasmodium chabaudi, genetic basis of chloroquine resistance investigated in crosses between lines differing additionally in pyrimethamine-susceptibility

Genetics
do Rosario, V. E., 1977, J. Protozool., v. 24 (2), Suppl., 4A [Abstract]
Plasmodium chabaudi, genetics of chloroquine resistance

Genetics
Seitz, H. M., 1975, Tropenmed. und Parasitol., v. 26 (4), 417-425
Plasmodium berghei, strain K 173 in isogenic mouse strains (exper.), infection course, immunization by intermittent suppression of parasite multiplication by maintaining mice on milk diets of varying lengths, F1-hybrids most resistant and immunization attempts most successful with this strain

Genetics
Shirley, M. W.; and Millard, B. J., 1976, Parasitology, v. 73 (3), 337-341
Eimeria tenella, single sporozoite infections in chicken embryos, results demonstrate bisexual nature of sporozoite, suggest that sexual differentiation is influenced by environmental factors, and show that true clones of Eimeria can be established from individual sporozoites

Genetics
Smyth, J. D., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 93-100
Echinococcus granulosus, strain differences with special reference to horse strain now the major strain in the United Kingdom and Ireland, unknown potential to infect man, symposium report, genetics of strain formation and speciation

Genetics
Stone, B. F.; Nolan, J.; and Schuntner, C. A., 1976, Austral. J. Biol. Sc., v. 29 (3), 265-279
Boophilus microplus, 3 strains, biochemical genetics of resistance to organophosphorus acaricides: inheritance of decreased brain acetylcholinesterase activity, inheritance of decreased AChE sensitivity, inheritance of increased detoxication

Genetics
Stone, B. F.; Wilson, J. T.; and Youlton, N. J., 1976, Austral. J. Biol. Sc., v. 29 (3), 251-263
Boophilus microplus, 3 strains, linkage and dominance characteristics of genes for resistance to organophosphorus acaricides and allelic inheritance of decreased brain cholinesterase activity

Genetics
Sucharit, S.; and Macdonald, W. W., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (1), 71-77
Brugia pahangi, rats (exper.), selection program in which rats susceptible to infection were selectively bred, increase in microfilaria rate by F4 generation, resistance to infection in older male rats seemed to be reduced

Genetics
Terwedow, H. A., jr.; and Craig, G. B., jr., 1977, Exper. Parasitol., v. 41 (2), 272-282
Waltonella flexicauda, development controlled by genetic factor in Aedes aegypti, this factor for susceptibility did not control development of Brugia pahangi or Dirofilaria immitis

Genetics
Toure, S. M., 1977, Rev. Elevage et Med. Vet. Pays Trop., n. s., v. 30 (2), 157-174
review of knowledge of trypanotolerance, genetic and immunological, ecological and pathophysiological factors

Genetics
Townson, H., 1974, Ann. Trop. Med. and Parasitol., v. 68 (2), 239-240
Brugia pahangi, development in male Aedes aegypti of 'refractory' genotype, females remained refractory even when larvae were introduced by inoculation

Genetics
Wagner, K. P.; and Krassner, S. M., 1976, Exper. Parasitol., v. 39 (2), 222-233
Leishmania tarentolae promastigotes, replica-plating techniques, isolation of stable mutant strains resistant to chloramphenicol, isolation of cell lines stress-adapted to streptomycin and to high culture temperatures, factors influencing resistance, mode of action of chloramphenicol (inhibition of protein synthesis and proline oxidation)

Genetics
Wakelin, D., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 277 [Demonstration]
Trichuris muris in mice, possible genetic control of immune responses

Genetics
Waldeland, H., 1976, Acta Vet. Scand., v. 17 (4), 403-411
Toxoplasma gondii, sheep muscular tissue, incidence correlated with dye test titres and haemoglobin type (higher in type B than A or AB), possible genetic influence on infection, epidemiology, meat inspection: southern Norway

Genetics
Walliker, D., 1976, Symposia Brit. Soc. Parasitol., v. 14, 25-44
Plasmodium, genetic techniques (hybridization and cloning; genetic markers--enzyme polymorphism, drug-resistance, etc.), genetic recombination experiments, genetic factors influencing host-parasite relationships (strain-specific immunity; virulence), symposium presentation

Genetics
Walliker, D.; et al., 1976, Parasitology, v. 72 (2), 183-194
Plasmodium yoelii yoelii, genetic basis of sudden appearance of virulence

Genetics
Walliker, D.; and Carter, R., 1973, J. Protozool., v. 20 (4), 529
Plasmodium vinckei chabaudi, demonstration of genetic recombination between two lines

Genetics
Walliker, D.; and Sanderson, A., 1977, J. Protozool., v. 24 (4), 39A [Abstract]
Plasmodium yoelii yoelii, genetics of virulence

Genetics
Washburn, K. W., 1975, Avian Dis., v. 19 (4), 791-801
Eimeria tenella, chickens with mutant and normal hemoglobin types compared under conditions of hematopoietic stress from coccidiosis infection and blood loss from mechanical bleeding

Genetics
Welch, S. G.; McGregor, I. A.; and Williams, K., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 295-296
survey of 2 rural Gambian villages showed total absence of Duffy blood group antigens and absence of Plasmodium vivax infection although P. falciparum, P. malariae and P. ovale were present; findings consistant with theory that absence of Duffy phenotypes constitutes basis of innate resistance to P. vivax

Genetics
Weppelman, R. M.; Battaglia, J. A.; and Wang, C. C., 1977, Exper. Parasitol., v. 42 (1), 56-66
Eimeria tenella, selection and frequency of drug-resistant mutants in chickens medicated with optimal levels of drugs, mutants resistant to amquinate or glycarbylamide were isolated but this procedure failed to yield mutants resistant to amprolium, nicarbazin, robenidine, or monensin

Genetics
Wilson, D. S., 1977, Behavior Ecol. and Sociobiol., v. 2 (4), 421-425
analysis of altruistic behavior of Dicrocoelium dendriticum in ant host, mathematical model; theoretically possible for behavior to evolve even when parasites of one host are derived from as many as five different parents

Genetics
Yoeli, M., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 24-35
Plasmodium berghei yoelii in mice (exper.), promising model for study of cerebral malaria in man caused by P. falciparum (history, origin of virulent strain, pathology, enzyme differentiation, virulence expressed by mutation and genetic change)

Genetics
Zaitseva, G. N.; Kolesnikov, A. A.; and Shirshov, A. T., 1977, Molec. and Cell. Biochem., v. 14 (1-3), 47-54
Crithidia oncopelti, kinetoplast DNA, structure, transcription, protein-synthesizing apparatus, protein synthesis controlled by kinetoplast genome

Genetics
Zielke, E., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (1), 36-44
Culex pipiens fatigans, Aedes aegypti, selection of strains differing in susceptibility to Dirofilaria immitis, demonstrated that inheritance of susceptibility in Aedes aegypti is controlled by sex-linked recessive gene, also found that susceptibility to infection with Brugia pahangi is on same chromosome but in different locus

Geographic distribution. [See also Names of individual countries, continents, other geographic units]

Geographic distribution
Amerson, A. B., jr., 1968, J. Med. Entom., v. 5 (3), 332-339
tick distribution, influence of sea bird movement: Central Pacific

Geographic distribution
Ashurova, M., 1973, Zool. Zhurnal., v. 52 (11), 1602-1606
zoogeographic analysis of parasite fauna of fishes in Tibetian province of Mountain-Asian subregion

Geographic distribution
Brooks, D. R., 1977, System. Zool., v. 26 (3), 277-289
plagiorchioid trematodes of anurans with special emphasis on species of Glypthelmins, implications of morphological cladistic interrelationships and zoogeography, evolutionary history involving parasite vicariance and dispersal as a result of host speciation and host dispersal

Geographic distribution
Bull, M.; and Smyth, M., 1973, Austral. J. Zool., v. 21 (1), 103-110
Aponomma hydrosauri, Amblyomma albolimbatum, A. limbatum, abutting allopatric distributions, water balance of nymphs and adults in relation to distribution: South Australia

Geographic distribution
de Carneri, I., 1974, Riv. Parassitol., Roma, v. 35 (4), 277-284
Necator americanus, human, geographic distribution in northern band extending from Portugal to Iran, prevailing over Ancylostoma duodenale

Geographic distribution
Chubb, J. C., 1976, Parasitology, v. 73 (2), x [Abstract]
monogeneans of freshwater fishes, seasonal studies in relation to world climatic zones

Geographic distribution
Dedet, J. P., 1976, Bull. Inst. Pasteur, Paris, v. 74 (4), 413-434
Leishmania donovani, extensive review of human visceral leishmaniasis as world wide problem, geographic distribution, parasite life cycle, bibliography

Geographic distribution
Durette-Desset, M. C., 1976, Bull. Mus. National Hist. Nat., Paris, 3. s. (388), Zool. (270), 711-720
Brevistriatinae, redefinition based on evolution of important characteristics (orientation of ridges, carene development, number and segmentation of crests), good correlation between morphological characters and distribution of species among hosts and geographical regions

Geographic distribution
Dvoriadkin, V. A., 1976, Zool. Zhurnal, v. 55 (4), 515-520
Nanophyetidae, analysis of geographic range of species in relation to zoogeographic areas, intermediate host distribution and specificity, life cycles

Geographic distribution
Kakacheva-Avramova, D., 1973, Izvest. Tsentral. Khelmint. Lab., v. 16, 81-85
zoogeographic analysis of helminth fauna of fresh water fish in Bulgaria

Geographic distribution
Kazakov, B. E., 1975, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 25, 43-52
helminths of vertebrates of tundra zones, biological peculiarities related to habitat, review

Geographic distribution
Korenberg, E. I.; and Lebedeva, N. N., 1976, Zool. Zhurnal, v. 55 (10), 1468-1475
Ixodes persulcatus, 59 regional population complexes within range, indices of abundance and adult seasonal activity, boundaries for each

Geographic distribution
Kuris, A. M.; and Blaustein, A. R., 1977, Science (4278), v. 195, 596-597
ectoparasitic mites on rodents as an application of the island biogeography theory, rebuttal of Dritschilo, W.; et al., 1975, Science (4213), v. 190, 467-469

Geographic distribution
Lewis, R. E., 1972, J. Med. Entom., v. 9 (6), 511-520
Pulicidae, world-wide distribution by zoogeographical regions and subregions, host preferences; list of genera and species

Geographic distribution
Lewis, R. E., 1973, J. Med. Entom., v. 10 (3), 255-260
Rhopalopsyllidae, Malacopsyllidae, Vermipsyllidae, world-wide distribution by zoogeographical regions, host preferences; list of genera and species

Geographic distribution
Lewis, R. E., 1974, J. Med. Entom., v. 11 (5), 525-540
Ancistropsyllidae, Chimaeropsyllidae, Ischnopsyllidae, Leptopsyllidae, and Macropsyllidae, geographic distribution and host preferences, list of genera and species

Geographic distribution
Lomakin, V. V., 1975, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 25, 90-95
nematodes of fishes, zoogeographic analysis, review: Caspian Sea

Geographic distribution
Mackiewicz, J. S., 1976, Tr. Am. Micr. Soc., v. 95 (2), 267 [Abstract]
caryophyllid cestodes, zoogeographical distribution, pattern raises questions of possible co-evolution of host and parasite

Geographic distribution
Miyazaki, I., 1974, Internat. Med. Found. Japan. Reporting series (4), 101-135
Paragonimus spp., human and animal lung flukes, morphologic and life cycle comparisons, worldwide geographic distribution

Geographic distribution
Mrciak, M.; and Rosicky, B., 1975, Biologia, Bratislava, s. B, Zool., v. 30 (8), 589-597
parasites of small mammals and birds in high altitude areas, geographical distribution in relation to altitude, geological history, and host distribution, adaptations to alpine conditions including life history adaptations, review: High Tatra Mountains, Slovakia

Geographic distribution
O'Connor, B.; et al., 1977, Science (4278), v. 195, 598
ectoparasitic mites on rodents as an application of the island biogeography theory, answer to rebuttal of Kuris, A. M.; and Blaustein, A. R., 1977, Science (4278), v. 195, 596-597

Geographic distribution
Parukhin, A. M., 1973, Zool. Zhurnal, v. 52 (1), 38-44
helminth fauna of Carangidae, zoogeographic analysis: oceans of the world

Geographic distribution
Poirot, J. L.; et al., 1976, Medecine et Malad. Infect., v. 6 (1), 32-35
survey of origination of patients infected with strongyloidiasis and ancylostomiasis in Paris hospital

Geographic distribution
Protasova, E. N., 1976, Zool. Zhurnal, v. 55 (2), 205-214
Bothriocephalata, distribution by zoogeographical regions, predominance of marine species, geological history, probable origins

Geographic distribution
Rodhain, F.; and Rodhain-Rebourg, F., 1974, Medecine et Malad. Infect., v. 4 (3), 133-138
Wuchereria bancrofti, review of geographic distribution surveys of human lymphatic filariasis in the African continent south of the Sahara

Geographic distribution
Rohde, K., 1976, Ztschr. Parasitenk., v. 50 (1), 93-94
species diversity of fish parasites in coral reef habitats, higher numbers of species of Monogenea per species of fish than in higher latitudes, theoretical discussion: Capricorn group of reefs, Great Barrier Reef

Geographic distribution
Roitman, V. A., 1975, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 25, 115-124
Monogenea of salmonid fishes of the world, distribution of fluke genera by host genera, biogeographical analysis, review

Geographic distribution
Sasa, M., 1976, Human filariasis. A global survey of epidemiology and control, 819 pp., illus., maps
human filariasis, global survey, epidemiology and control

Geographic distribution
Skvortsov, V. G., 1971, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (7), 57-75
helminth fauna of Chiroptera, geographic distribution, extensive review

Geographic distribution
Smyth, M., 1973, Austral. J. Zool., v. 21 (1), 91-101
Aponomma hydrosauri, Amblyomma albolimbatum, A. limbatum, survey, distributions overlap remarkably little over long boundaries, roughly correlated with climate, vegetation, and, in one case, soil

Geographic distribution
Steele, J. H.; and Arambulo, P. V. III, 1975, Internat. J. Zoonoses, v. 2 (2), 55-75
Trichinella spiralis, distribution of trichinosis throughout the world, extensive sylvatic reservoirs, review

Geographic distribution
Telford, S. R., jr., 1977, Internat. J. Parasitol., v. 7 (4), 299-314
saurian malaria and other haematozoa, distribution and zoogeography, taxonomic problems, incidence by locality and season, implications for vector searches, mixed infections, comparative effectiveness of initial vs. repeated examinations of blood smears for detection: Middle America

Geographic distribution
Vaidova, S. M., 1975, Izvest. Akad. Nauk Azerbaidzhan. SSR, s. Biol. Nauk (3), 74-79
distribution of avian helminths in relation to habitat zones (high mountain, mountain forest, forest and scrub, lowlands): Azerbaidzhan

Geographic distribution
Wilkinson, P. R., 1971, Acarologia, v. 12 (3), 492-508
Boophilus microplus, factors affecting distribution in RTS (reputed tick scarcity) areas as compared to tick infested areas in surrounding districts: Australia

Georgia. See United States, Georgia.

Germany
Donnerbauer, H. J.; Hoffmann, H.; and Horner, M., 1975, Berl. u. Munchen. Tierarztl. Wchnschr., v. 88 (20), 393-396
incidence, gastrointestinal worms, comparison, clinically healthy farms and problem farms: Oberbayern
(Strongyloides; Ascaris; Trichuris; Oesophagostomum spp.; Hyostrongylus rubidus; Metastrongylus; Globocephalus)

Germany
Hennings, R., 1977, Vet. Parasitol., v. 3 (3), 211-216
Hypoderma bovis, cattle, successful eradication with systemic organophosphorus insecticides, feasibility of simultaneous treatment of Fasciola hepatica with niclofolan: Steinfurt, Germany

Germany
Hoerchner, F., 1974, Prakt. Tierarzt , v. 55 (8), 427-429
parasites of cats : Germany
(Metorchis; T[aenia] taeniaeformis; Cysticercus fasciolaris; Dipylidium; E[chinococcus] multilocularis; E. alveolaris; Toxocara cati; Toxascaris leonina; Ancylostoma tubaeforme; Toxoplasma gondii; Isospora felis; I. rivolta; I. bigemina)

Germany
Nebel, W., 1976, Tierarztl. Umschau, v. 31 (8), 359-360
fecal examination of 100 horses: Ostholstein
(strongyles, small and large; Strongyloides westeri, Parascaris equorum, Anoplocephala perfoliata, Eimeria leukarti, Gastrophilus intestinalis)

Germany
Peters, H., 1971, Munchen. Med. Wchnschr., v. 113 (12), 425-431
survey of Nordbaden area for frequency of intestinal parasites, incidence in natives compared to that in immigrant workers: Germany
(Trichuris; Ascaris; Enterobius; Taenia; Trichocephalus; Ancylostoma; Hymenolepis)

Germany
Peters, H., 1974, Munchen. Med. Wchnschr., v. 116 (34), 1485-1490
investigation of native and foreign workers for evidence of helminthiasis and comparison with survey conducted in 1969,shows no significant changes: Heidelberg region
(Trichuris; Ascaris; Taenia; Ancylostoma; Enterobius)

Germany
Rosenberger, G., 1977, Vet. Parasitol., v. 3 (3), 239-244
warble fly eradication program in Germany

Germany
Schaal, E.; and Kleikamp, I., 1976, Berl. u. Munchen. Tierarztl. Wchnschr., v. 89 (17), 341-344
Toxoplasma gondii, incidence in pigs surveyed by Sabin Feldman test: Westphalia

Germany
Voegtle-Junkert, U., 1975, Med. Klin., Berlin, v. 70 (47), 1920-1927
survey of helminth and protozoan parasites of foreign workers and comparison with findings in German citizens: Wurzburg
(Trichuris trichiura; Enterobius vermicularis; Ascaris lumbricoides; Taenia saginata; Lamblia intestinalis; Entamoeba coli; Plasmodium falciparum; Hymenolepis nana; Trichomonas hominis)

Germfree animals. See Gnotobiotic animals.

Ghana
Bozdech, V., 1973, Paediat. u. Grenzgeb., v. 12 (5), 327-335
epidemiologic survey of parasitic infections in children with comparisons of statistics from Kaduna, Nigeria and Accra, Ghana (Schistosoma haematobium; S. mansoni; Ancylostoma; Necator; Entamoeba coli; E. histolytica; Lamblia intestinalis; Endolimax nana; Iodamoeba butschlii; Trichomonas intestinalis; Strongyloides stercoralis; Ascaris lumbricoides; Trichuris trichiura; Demodex folliculorum)

Glands, Host. [See also Gonads; Hormones]

Glands, Host
Bulnheim, H. P., 1977, Biol. Zentralbl., v. 96 (1), 61-78
Thelohania herediteria and Octosporea effeminans in Gammarus d. duebeni (ovary) (nat. and exper.), feminized hosts, androgenic gland development inhibited, partially suppressed endocrine function: Gebiet der Elbmundung (Graben des Deichvorlandes bei Muggendorf)

Glands, Host
Buonaccorsi, A.; et al., 1972, Atti Soc. Ital. Sc. Vet., v. 26, 312-315
horses, chronic strongylosis, dysfunction of liver and adrenal cortex

Glands, Host
Chassard-Bouchaud, C.; and Hubert, M., 1976, Cell and Tissue Research, v. 167 (3), 351-361
Sacculina carcini, 3 stages of ecdysial gland regression in infected Carcinus maenas, ultrastructure

Glands, Host
Dreizen, S.; Smith, W. N.; and Levy, B. M., 1970, Oral Surg., v. 30 (4), 527-532
Tetrapetalonema marmosetae, histopathologic study of infection in Saguinus oedipus (blood vessels and connective tissues of lips, tongue, periodontium, dental pulp, salivary glands) kept as research colony by University of Texas Dental Science Institute

Glands, Host
Gad-El-Mawla, N.; et al., 1973, Med. J. Cairo Univ., v. 41 (4), 309-314
possible correlations of estrogen-containing contraceptive pills in the presence of schistosomal hepatic fibrosis with intramammary duct hyperplasia and cancer, exper. mice

Glands, Host
Ikede, B. O.; and Losos, G. J., 1975, J. Comp. Path., v. 85 (1), 37-44
Trypanosoma brucei, sheep (exper.), hypophysial and other endocrine lesions

Glands, Host
Kretic, M.; Ceklic, O.; and Semiz, A., 1972, Med. Zborn., v. 7 (1), 9-13
case report of human echinococcosis of thyroid, differential diagnosis from malignant tumor possible only after surgery: Yugoslavia

Glands, Host
McCall, H., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 286 [Demonstration]
Rhipicephalus appendiculatus, stimulation of acid phosphatase activity in salivary glands from Theileria parva infected and non-infected unfed ticks, parasite maturation not induced

Glands, Host
Martins, M., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 286 [Demonstration]
Rhipicephalus appendiculatus, histochemical studies of salivary glands of non-infected and Theileria parva-infected ticks

Glands, Host
Ortega, M.; et al., 1966, Bol. Chileno Parasitol., v. 21 (4), 127-130
Echinococcus granulosus in humans, hydatid cysts of parotid gland, clinical case reports: Chile

Glands, Host
Porges, S. B., 1971, Med. J. Australia, v. 1 (12), 641-642
man, echinococcosis of thyroid gland, case report: New South Wales, Australia

Glands, Host
Sanchez, G.; and Alderete, J. F., 1975, Comp. Biochem. and Physiol., v. 52 (4A), 623-626
Trypanosoma rhodesiense, adrenalectomized rats, increased parasitemia and earlier death, relation to decreases in total liver glycogen, reduced rate of glucose consumption by trypanosomes, endocrine system as possible regulator of trypanosome biochemistry, possible mechanism in pathogenesis of trypanosomiasis

Glands, Host
Seed, J. R.; et al., 1976, Am. Midland Naturalist, v. 96 (2), 379-390
Trypanosoma brucei gambiense in Microtus montanus (exper.), role of spleen in host immunity; effect of infection (enlarged spleen, increase in adrenal weights, decrease in size of gonads), possible means of distinguishing parasite stress from other forms of natural population stress; possible relationship to reproductive potential and population density

Glands, Host
Sobari, S.; et al., 1976, Austral. Vet. J., v. 52 (4), 197-198 [Letter]
Goddardobdella elegans, beef cows (udders), leeches localized in milk cistern, histological changes: near Ingham, north Queensland

Glands, Host
Svarc, R.; and Zmoray, I., 1974, Biologia, Bratislava, s. B, Zool. (1), v. 29 (2), 121-127
Muellerius tenuispiculatus larvae, penetration into and development in soles of feet of Cepaea vindobonensis and Succinea putris, localization near sole glands, acid mucopolysaccharides and phospholipids in this site probably have role in larval nutrition

Glands, Host
Tseng, M. T.; and Mueller, J. F., 1977, J. Parasitol., v. 63 (1), 168-169
Spirometra mansonoides, rats, effect of sparganum growth factor on pituitary cytology, suppression of somatotrops, highly active corticotrops

Glands, Host
Wartofsky, L.; et al., 1977, J. Clin. Endocrinol. and Metab., v. 44 (1), 85-90
acute falciparum malaria, nature of thyroidal suppression, integrity of pituitary response to thyrotropin-releasing hormone and alterations in serum T_3 and reverse T_3

Glands, Host
Young, A. S.; and Purnell, R. E., 1973, Bull. Epizoot. Dis. Africa, v. 21 (4), 377-383
development of Babesia equi in the salivary glands of Rhipicephalus evertsi

Glands, Parasite. [See also Gonads]

Glands, Parasite
Anisimov, A. P., 1976, Tsitologiia, v. 18 (4), 445-450
Ascaris suum, oesophageal glands, polyploidization and growth of giant nuclei during postnatal ontogenesis

Glands, Parasite
Araujo, P., 1975, Ann. Parasitol., v. 50 (2), 167-172
Ascaris suum, third-stage larvae, sexual dimorphism in genital primordium and in internal structure of tail (rectal glands)

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Schistosoma mansoni cercariae, proteolytic enzymes from cercarial extracts and from preacetabular secretions compared using polyacrylamide gel electrophoresis, purification of main secretory enzyme using Sephadex chromatography

Glands, Parasite
Barker, R. W.; et al., 1973, J. Med. Entom., v. 10 (2), 198-201
Amblyomma americanum, oral secretions collected after 3 stimulation techniques (infrared heat, pilocarpine injection, and electrical stimulation), comparison of composition, volume, and freezing point depression

Glands, Parasite
Bhutta, M. S., 1974, Pakistan J. Zool., v. 6 (1-2), 1-8
Cryptocotyle lingua cercariae, glandular apparatus, histochemical studies, functional significance, Littorina littorea: White Sea, USSR

Glands, Parasite
Bhutta, M. S., 1975, Pakistan J. Zool., v. 7 (2), 199-206
Astiotrema trituri, cercaria, histochemical study of glandular apparatus

Glands, Parasite
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Schistosoma mansoni, localization of soluble egg antigen in eggshell-enclosed miracidium, possible functions

Glands, Parasite
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Amblyomma americanum, comparison of extracellular fluid volume (inulin space) of salivary glands incubated with and without adrenaline, total tissue water content increased in adrenaline-incubated glands, significance to mechanisms of fluid transport across tick salivary glands discussed

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Campbell, D. L.; et al., 1976, Exper. Parasitol., v. 40 (1), 33-40
Schistosoma mansoni, proteolytic enzymes secreted from preacetabular glands of cercariae, partial characterization

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Haemaphysalis spinigera, cement substance at site of attachment and feeding, derived from salivary glands, histochemical study

Glands, Parasite
Chinery, W. A.; and Ayitey-Smith, E., 1977, Nature, London (5592), v. 265, 366-367
Rhipicephalus sanguineus sanguineus, salivary gland homogenate antagonizes action of histamine and potentiates action of acetylcholine on guinea pig ileum, advantage to ixodid ticks in having both histamine-blocking agent and histamine in their saliva, possible relationship of acetylcholine potentiation to tick paralysis

Glands, Parasite
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Schistosoma mansoni, cercariae, schistosomules, head gland, ultrastructure, staining affinities suggest presence of phospholipids

Glands, Parasite
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Schistosoma mansoni cercariae, calcium carbonate content of preacetabular glands

Glands, Parasite
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Schistosoma mansoni, cercariae, localization and quantitation of calcium in preacetabular glands, in vitro inhibition of protease activity by high levels of calcium, possible function in controlling protease activity in situ

Glands, Parasite
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Ascaris suum, glandular vas deferens, structure and function

Glands, Parasite
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Leucochloridiomorpha constantiae adults, gelatin film technique for localization of proteolytic activity in intestinal ceca and acetabular gland cells

Glands, Parasite
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Calicotyle kroeyeri, foregut and associated glands, ultrastructure

Glands, Parasite
Jain, P. C., 1974, Indian J. Animal Sc., v. 43 (8), 1973, 796-797
Moniezia benedeni, M. expansa, presence of double rows of interproglottidal glands: India

Glands, Parasite
Kaufman, W., 1976, J. Exper. Biol., London, v. 64 (3), 727-742
fluid secretion by in vitro salivary glands of ixodid ticks with progression of feeding, control of salivation is probably neural rather than hormonal

Glands, Parasite
Kaufman, W. R., 1977, European J. Pharmacol., v. 45 (1), 61-68
Dermacentor andersoni, Amblyomma hebraeum, isolated salivary glands, influence of adrenergic agonists and their antagonists on salivary fluid secretion

Glands, Parasite
Kaufman, W. R.; Diehl, P. A.; and Aeschlimann, A. A., 1976, Experientia, v. 32 (8), 986-987
Amblyomma hebraeum, increased Na, K-ATPase activity in salivary glands of feeding females, no activity changes in feeding males

Glands, Parasite
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ixodid ticks, pharmacological control of salivary secretion

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Kulkarni, D.; Venkataratnam, A.; and Emaduddin, M., 1972, Indian Vet. J., v. 49 (9), 951-952
occurrence of double number of interproglottidal glands in Moniezia expansa, sheep and goats: Mahabubnagar and Nalagonda districts

Glands, Parasite
Layton, E. C.; and Sonenshine, D. E., 1975, J. Med. Entom., v. 12 (3), 287-295
Dermacentor variabilis, D. andersoni, females, structure of glands associated with foveae dorsales, histology and scanning electron microscopy, changes during feeding, possible role in sex pheromone activity

Glands, Parasite
Londt, J. G. H.; and Spickett, A. M., 1976, Onderstepoort J. Vet. Research, v. 43 (3), 79-96
Boophilus decoloratus, growth of reproductive organs and gametogenesis in male and female, timing of meiosis, spermiogenesis, mating and sperm relocation in female

Glands, Parasite
McCall, H., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 286 [Demonstration]
Rhipicephalus appendiculatus, stimulation of acid phosphatase activity in salivary glands from Theileria parva infected and non-infected unfed ticks, parasite maturation not induced

Glands, Parasite
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Amblyomma americanum, mouth as site of water vapor uptake, possible mechanisms

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Amblyomma americanum, mouth confirmed as site of water vapor absorption, movement of chloride ions traced in desiccated and rehydrated ticks, suggests possible role of salivary glands in water vapor uptake

Glands, Parasite
Martins, M., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 286 [Demonstration]
Rhipicephalus appendiculatus, histochemical studies of salivary glands of non-infected and Theileria parva-infected ticks

Glands, Parasite
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Boophilus microplus, innervation of salivary gland

Glands, Parasite
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Schistosoma mansoni cercaria, material secreted by preacetabular gland sufficiently immunogenic to induce antibodies in mice (exper.) but not sufficient to afford protection against subsequent infections

Glands, Parasite
Mishra, G. C.; and Dev, B., 1976, Ztschr. Parasitenk., v. 50 (1), 43-51
Poecilobdella granulosa, localization of acetylcholinesterase and butyrylcholinesterase in salivary glands; roles of these and other enzymes in biting

Glands, Parasite
Nayar, J. K.; and Sauerman, D. M., jr., 1975, J. Insect Physiol., v. 21 (12), 1965-1975
Dirofilaria immitis, susceptibility of various species of mosquitoes, patterns of microfilarial development, sites of blockage or prevention of infection, possible physiological factors (substances in salivary gland secretion, melanization of microfilariae)

Glands, Parasite
Needham, G. R.; and Sauer, J. R., 1975, J. Insect Physiol., v. 21 (12), 1893-1898
Amblyomma americanum, salivary fluid secretion from isolated salivary glands, stimulating and inhibiting effects of various substances, mechanisms and control of glandular function

Glands, Parasite
O'Hagan, J. E., 1977, Proc. 15. Internat. Cong. Entom. (Washington, D.C., Aug. 19-27, 1976), 266-276
Boophilus microplus, feeding process, chemical exchanges between mouth parts of ticks and their hosts, oral secretion and morphology of tick salivary gland, review

Glands, Parasite
Ramalingam, K., 1976, Cytologia, v. 41 (1), 131-138
Pricea multae, morphological differentiation of unfixed, unstained vitelline cells into 6 classes using phase microscopy, proposed vitellocyte nomenclature may not represent stages of development

Glands, Parasite
Romestand, B.; and Trilles, J. P., 1976, Ztschr. Parasitenk., v. 50 (1), 87-92
Meinertia oestroides, anticlotting factor in cephalothoracic latero-oesophageal glands, action and chemical nature studied, antithrombinic factor similar to heparin; enzymatic activities of latero-oesophageal glands and hepatopancreas

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Roshdy, M. A.; and Coons, L. B., 1975, J. Parasitol., v. 61 (4), 743-752
Argas arboreus, salivary glands of unfed adults, fine structure

Glands, Parasite
Rudolph, D.; and Knuelle, W., 1974, Nature (5452), v. 249, 84-85
ixodid ticks, water vapor uptake from atmosphere, site (mouthparts) and mechanism (may be related to hygroscopic properties of salivary secretion)

Glands, Parasite
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Amblyomma americanum, isolated salivary glands, effects of adrenaline, cyclic AMP, and inhibitors on function (uptake of chloride and fluid secretion)

Glands, Parasite
Smith, J. M., 1976, Internat. J. Parasitol., v. 6 (1), 9-13
Ancylostoma tubaeforme and Necator americanus third stage larvae, ultrastructure of oesophageal glands compared before and after penetration through rabbit skin

Glands, Parasite
Southgate, V. R., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 29 [Demonstration]
4 schistosome cercariae, fine structure, pre- and postacetabular gland cells, sensory receptors, tail musculature

Glands, Parasite
Young, A. S.; and Purnell, R. E.;, 1973, Bull. Epizoot. Dis. Africa, v. 21 (4), 377-383
development of Babesia equi in the salivary glands of Rhipicephalus evertsi

Globulins. See Proteins; Proteins, Blood.

Glucose. See Carbohydrates.

Glycogen. See Carbohydrates.

Glycolysis. See Carbohydrates; Metabolism.

Gnotobiotic animals
Crompton, D. W. T.; and Nesheim, M. C., 1976, Advances Parasitol., v. 14, 95-194
host-parasite relationships in alimentary tract of domestic birds, extensive review: nutrition of domestic birds; alimentary tract as habitat for parasites; alimentary tract of germ-free birds; parasite distribution within alimentary tract; relationships between parasites and host digestive physiology and nutrition

Gnotobiotic animals
Hall, G. A.; Rutter, J. M.; and Beer, R. J. S., 1976, J. Comp. Path., v. 86 (2), 285-292
Trichuris suis, sequential development of large intestinal lesions in piglets (conventionally reared vs. specific-pathogen-free vs. gnotobiotic) studied histologically, synergistic effect of T. suis and bacterial flora in disease process

Gnotobiotic animals
O'Neill, P. A.; and Parfitt, J. W., 1976, Vet. Rec., v. 98 (16), 321-323
Isospora suis, minimal disease pig herd, observations under non-experimental conditions, oocysts with sporoblasts recovered in infected pig feces 24 hours after collection, prepatent and patent periods, development of active acquired immunity following infection not affected by stress of farrowing

Gnotobiotic animals
Pfister, F.; and Wolff, K., 1975, Schweiz. Arch. Tierh., v. 117 (10), 585-598
survey, incidence of gastro-intestinal parasites, pigs, fecal and post mortem examinations, specific pathogen-free and conventional farms, only small differences, present SPF program not sufficient for control: Switzerland

Gnotobiotic animals
Przyjałkowski, Z.; et al., 1976, Bull. Acad. Polon. Sc., Cl. II., s. Sc. Biol., v. 24 (12), 751-755
Trichinella spiralis, antibody response of germfree, gnotobiotic, and conventional mice compared

Gnotobiotic animals
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Trichinella spiralis in bacteria-free or conventional mice, changes in ultrastructure of epithelium of small intestines

Gnotobiotic animals
Przyjalkowski, Z.; and Wescott, R. B., 1970, Acta Parasitol. Polon., v. 17 (20-38), 265-269
Nippostrongylus brasiliensis, conventional and germfree mice, some with monocultures of three species of bacteria, differential leucocyte counts, packed cell volume; higher worm burdens in male mice and in conventional mice, little differences in blood values

Gnotobiotic animals
Ruff, M. D.; et al., 1975, Avian Path., v. 4 (1), 73-81
Eimeria brunetti, effects on intestinal pH in conventional and gnotobiotic chickens

Gonads. [See also Glands; Reproductive organs]

Gonads
Atkinson, K. H.; and Byram, J. E., 1976, J. Morphol., v. 148 (4), 391-426
Moniliformis dubius, morphology and development of ovarian balls, oogenesis, rat (exper.)

Gonads
Isoun, T. T.; and Anosa, V. O., 1974, Nigerian J. Animal Prod., v. 1 (2), 143-150
Trypanosoma vivax in sheep and goats (exper.), pathological changes in host reproductive organs; reduced reproductive capacity

Gonads
Londt, J. G. H.; and Spickett, A. M., 1976, Onderstepoort J. Vet. Research, v. 43 (3), 79-96
Boophilus decoloratus, growth of reproductive organs and gametogenesis in male and female, timing of meiosis, spermiogenesis, mating and sperm relocation in female

Gonads
Novak, M., 1977, Internat. J. Parasitol., v. 7 (1), 47-50
Mesocestoides corti in gonadectomized mice, markedly increased number of polycephalic tetrathyridia present in 150-day-old intraperitoneal larval populations, effect most pronounced in male hosts and in both sexes inversely correlated with size of populations

Gonads
Scott, K. J.; and Bullock, W. L., 1974, Proc. Helminth. Soc. Washington, v. 41 (2), 256-257
Bothriomonus sturionis, variation in rate of infection, seasonal peak, gonads absent in infected female Psammonyx nobilis, no effect on size: Foss Beach, New Hampshire; Gerrish Island and Goose Rocks Beach, Maine

Gonads
Seed, J. R.; et al., 1976, Am. Midland Naturalist, v. 96 (2), 379-390
Trypanosoma brucei gambiense in Microtus montanus (exper.), role of spleen in host immunity; effect of infection (enlarged spleen, increase in adrenal weights, decrease in size of gonads), possible means of distinguishing parasite stress from other forms of natural population stress; possible relationship to reproductive potential and population density

Gonads
Vashchenok, V. S., 1975, Entom. Obozr., v. 54 (2), 352-354
Xenopsylla cheopis, formation, structure, and pigmentation of corpora lutea, suggested that these cells fulfill a secretory function

Graft. See Transplantation.

Granuloma
Aftandelians, R.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 64-71
Capillaria aerophila, granulomatous lesion containing worm removed from lung of child presenting with asthmatic symptoms and eosinophilia, treatment with diethylcarbamazine and thiabendazole relieved symptoms, clinical case report, possible transmission through cat-contaminated play area: Teheran, Iran

Granuloma
Ah, H. S.; and Chapman, W. L., jr., 1976, Vet. Parasitol., v. 2 (3), 251-258
Paragonimus kellicotti, dog, severe pulmonary paragonimiasis, observation of extrapulmonary granulomatous lesions in liver, mediastinal lymph nodes, spermatic cord, and tunica vaginalis: Georgia, U.S.A.

Granuloma
Ahluwalia, H. S., 1965, Med. J. Malaya, v. 19 (4), 316-317
case report of acute peritonitis in man caused by granulomatous lesion of Ascaris lumbricoides, original diagnosis of tuberculosis had been made: Malaysia

Granuloma
Akoun, G.; et al., 1975, Nouv. Presse Med., v. 4 (33), 2408 [Letter]
Schistosoma mansoni in woman with pulmonary granuloma originally diagnosed as tuberculosis, clinical case report: France (native of Guadeloupe)

Granuloma
Anh, D. H., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (1), 34-38
Entamoeba histolytica, histopathologic examination of 4 amoebic granulomas excised surgically from human colons

Granuloma
Arora, R. G.; and Iyer, P. K. R., 1974, Indian J. Animal Sc., v. 43 (8), 1973, 720-723
Fasciola gigantica, sheep, goats, gross and histological study of lesions in liver during early and advanced stages of infection; presence of iron pigment in macrophages and Kupffer's cells, and egg granulomas in hepatic parenchyma: slaughterhouses, Izatnagar (Uttar Pradesh)

Granuloma
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granulomata containing trematode eggs, possibly Achillurbainia recondita, discovered on omentum and other peritoneal surfaces of man during surgical repair of inguinal hernia, case report; comparative morphological discussion: State of La Paz, Honduras

Granuloma
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macroscopic and microscopic examination of urinary tract pathology resulting from human schistosomiasis with suggestions for clinical management

Granuloma
Birnbaum, D.; and Werner, H., 1977, Deutsche Med. Wchnschr., v. 102 (39), 1385-1386
Dermatobia hominis, cutaneous myiasis in child presenting as granuloma, larval parasite discovered at surgical excision, clinical case report: Berlin, had travelled in Brazil

Granuloma
Bolio Cicero, A.; Zavala Velazquez, J.; and Patron Sanchez, F., 1970, Prensa Med. Mexicana, v. 35 (5-6), 218-219
visceral larva migrans, case report of larval granuloma of scrotum in young child: Mexico

Granuloma
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Schistosoma mansoni, granuloma formation etiology, cell-mediated immunity aspects, review

Granuloma
Boros, D. L.; Pelley, R. P.; and Warren, K. S., 1975, J. Immunol., v. 114 (5), 1437-1441
Schistosoma mansoni, mice, spontaneous modulation of granulomatous hypersensitivity, concomitant rise in circulating antibody levels and fall in spleen cell responsiveness to antigen

Granuloma
Boros, D. L.; Tomford, R.; and Warren, K. S., 1977, J. Immunol., v. 118 (1), 373-376
Schistosoma mansoni, induction of granulomatous and elicitation of cutaneous sensitivity by partially purified soluble egg antigens

Granuloma
Boros, D. L.; and Warren, K. S., 1973, Immunology, v. 24 (3), 511-529
Schistosoma mansoni, model for study of granulomatous inflammation employing bentonite particles coated with soluble antigens and injected i.v. into micro-vasculature of sensitized mice

Granuloma
Boros, D. L.; Warren, K. S.; and Pelley, R. P., 1973, Nature (5430), v. 246, 224-226
Schistosoma mansoni, secretion of migration inhibitory factor by intact schistosome egg granulomas maintained in vitro

Granuloma
Buengener, W.; and Mehlitz, D., 1977, Tropenmed. u. Parasitol., v. 28 (2), 175-180
Leishmania donovani, dogs (exper.), unusual pathologic reactions with histiocytic granulomas in liver and skin biopsies, tumor-like formations on heart, lung, liver, kidney, pancreas and muscle and with development of amyloidosis

Granuloma
Byram, J. E.; and von Lichtenberg, F., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 944-956
Schistosoma mansoni, schistosome egg-induced lesions in nude mice compared with heterozygous controls, nude mice lacked hypersensitivity granulomas and failed to sequester toxic egg products which resulted in zonal hepatocellular damage

Granuloma
Candreviotis, N., 1977, Ang. Parasitol., v. 18 (1), 41-48
Entamoeba histolytica, autopsy, histopathology, colon lesions due to amoebic motility and lytic secretions; liver lesions (granulomas and necrotic areas) as residues of destroyed amoebae

Granuloma
Carayon, A., 1975, Medecine Trop., v. 35 (2), 119-122
human severe acute amoebic colitis, amoebomas, surgical complications, clinical management

Granuloma
Chandrasoma, P. T.; and Mendis, K. N., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 644-649
Enterobius vermicularis in humans, case reports of parasite migration to ectopic sites with resulting granulomata and accompanying pathology, sex of parasite, relationship to area of migration

Granuloma
Chandrasoma, P. T.; Mendis, K. N.; and Kumarâratne, D. S., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 570-571
Wuchereria bancrofti microfilariae removed from breast nodule of woman suffering from tropical pulmonary eosinophilia: Colombo, Sri Lanka

Granuloma
Chesdapan, C.; and Maegraith, B. G., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 279 [Demonstration]
S[chistosoma] mansoni, method of measurement for study of granuloma formation in human schistosomiasis

Granuloma
Colley, D. G., 1975, J. Immunol., v. 115 (1), 150-156
Schistosoma mansoni, mice, chronic primary infection, immune responses to soluble egg antigen (lymphocyte blastogenesis, production of lymphokine eosinophil stimulation promoter, haemagglutinating antibody, PGA antibodies, peripheral blood eosinophilia), relationship to anti-egg granulomatous response and pathogenesis of the disease

Granuloma
Coriglione, G.; Corso, P.; and Gorgone, G., 1969, Minerva Oftal., v. 11 (3), 99-103
larva migrans of Toxocara canis, probable cause of macular chorioretinal granuloma in youth, case report, diagnostic problems: Italy

Granuloma
Desai, M. H.; and Mahmud-Durrani, A., 1971, Med. J. Zambia, v. 5 (3), 101-105
case report of human intestinal obstruction caused by Schistosoma haematobium granuloma: Zambia

Granuloma
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case report of woman with eosinophilic granuloma of pancreas caused by Ascaris lumbricoides eggs, symptoms suggestive of cancer: Malaysia

Granuloma
Elbihari, S.; and Hussein, M. F., 1973, J. Wildlife Dis., v. 9 (2), 171-173
Ophidascaris filaria, Python sebae (stomach), associated granulomatous pre-neoplastic gastric lesions: Sudan

Granuloma
Fossati, C., 1974, Rev. Iber. Parasitol., v. 34 (3-4), 323-330
Entamoeba histolytica, case history of human pulmonary ameboma, radiological aspects, successful treatment with Ambilhar; review on localization and diffusion of E. histolytica

Granuloma
Fuglsang, H.; Anderson, J.; and Marshall, T. F. de C., 1976, Tropenmed. u. Parasitol., v. 27 (3), 355-364
Onchocerca volvulus in humans, comparative survey of natives of rain-forest and savannah areas for presence of head nodules containing adult worms, possible associations between presence of nodules and ocular onchocerciasis: Cameroon

Granuloma
Garcia, E. G., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 282-288
Schistosoma japonicum, humans, pathophysiology, granuloma formation caused by delayed type hypersensitivity reaction to eggs in tissue

Granuloma
Garner, A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 374-377
Onchocerca volvulus, pathology of ocular infections in humans and experimental rabbits, granulomatous lesions resulting from direct microfilarial invasion and inflammatory lesions a probable response to free microfilarial antigens, review of current research

Granuloma
Greenberg, Z.; and Wertheim, G., 1973, Immunology, v. 24 (3), 531-543
Nippostrongylus brasiliensis, rats, cellular responses to intraperitoneal inoculation of larvae, sequence of cell-types adhering to larvae and subsequent formation of granulomas around cell-coated larvae, initial neutrophilia in rats infected with L2 or L3 larvae, pronounced eosinophilia seen only in rats inoculated with L3 larvae

Granuloma
Griner, L. A.; et al., 1977, Vet. Path., v. 14 (6), 582-590
Heterakis isolonche in gallinaceous birds, cecal nodular granulomas, pathology, case reports: San Diego Zoological Garden

Granuloma
Haff, R. C.; and Norgaard, R. P., 1974, Mil. Med., v. 139 (3), 192-195
human amoebiasis, metronidazole treatment of cecal amebomas and hepatic abscesses after locating by liver scan, military personnel returning from duty in Southeast Asia

Granuloma
Henson, E.; et al., 1972, J. Reticuloendothel. Soc., v. 11 (4), 313-324
Schistosoma mansoni, mice, treatment with propiomazine alone or in combination with epinephrine inhibits granuloma formation and prolongs host survival without killing parasite or inhibiting its egg production, suggests alternate approach to treatment of schistosomiasis

Granuloma
Houba, V., 1976, Pathophysiol Parasit. Infect., 221-232
immunopathological mechanisms in parasitic disease, review (immune complexes; complement; autoimmunity; cell-mediated reactions; immunodepression)

Granuloma
Hsu, C.-K.; et al., 1976, Nature, London (5567), v. 262, 397-399
Schistosoma mansoni, immunopathology in athymic mice vs. normal heterozygous mice, investigations of necessity of T-cell participation in eosinophil response, IgE formation, granuloma formation, and lymphocyte responsiveness

Granuloma
Hsu, S. Y. L.; et al., 1972, J. Reticuloendothel. Soc., v. 12 (4), 418-435
Schistosoma mansoni and S. japonicum in various experimental hosts, comparative studies of cellular structures of granulomata elicited by eggs, established that these are organized epithelioid cell granulomata

Granuloma
Hsu, S. Y. L.; et al., 1973, Ann. Trop. Med. and Parasitol., v. 67 (3), 349-356
Schistosoma japonicum, S. mansoni, comparative studies on lesions caused by eggs in liver of hamsters, guinea pigs, and albino rats, relationship between host susceptibility and development of schistosome granulomata

Granuloma
Huismans, H., 1977, Ophthalmologica, Basel, v. 174 (1), 10-13
2 case reports of human Toxocara canis solitary granuloma ocular infection, one case previously misdiagnosed as toxoplasmosis, treatment with minzolum and/or photocoagulation with steroid therapy

Granuloma
Jakobiec, F. A.; Gess, L.; and Zimmerman, L. E., 1977, Arch. Ophth., Chicago, v. 95 (2), 278-280
Schistosoma haematobium causing granulomatous dacryoadenitis in youth, localization at site of earlier trauma, possible immunologic implications, niridazole therapy: Sierra Leone

Granuloma
James, S. L.; and Colley, D. G., 1975, J. Reticuloendothel. Soc., v. 18 (5), 283-293
intact schistosome egg granulomas isolated from Schistosoma mansoni-infected mice, production of lymphokine eosinophil stimulation promoter in vitro

Granuloma
Karel, I.; et al., 1977, Ophthalmologica, Basel, v. 174 (1), 14-19
Toxocara larva migrans, woman with granulomatous ocular lesion and active larva in the pupillary area, intolerance to mintezol therapy, case report: Czechoslovakia

Granuloma
Kuster, G.; Oyarce, R.; and Boero, D., 1966, Bol. Chileno Parasitol., v. 21 (2), 48-50
Ascaris lumbricoides in human, case report of hepatic granuloma surrounding parasite eggs, discovered at surgery to correct biliary colic, piperazine therapy resulted in elimination of 3 adult worms: Chile

Granuloma
Lieberman, R. C.; and Goldberg, H. M., 1970, Mil. Med., v. 135 (4), 284-285
Entamoeba histolytica, man, perforated ameboma of transverse colon, case report: Georgia (military service 9 years earlier in Southeast Asia)

Granuloma
Mahmoud, A. A. F.; and Warren, K. S., 1974, J. Immunol., v. 112 (1), 222-228
Schistosoma mansoni, mice, anti-inflammatory effects of tartar emetic and niridazole, suppression of schistosome egg granuloma

Granuloma
Malone, J. B.; Leininger, J. R.; and Chapman, W. L., jr., 1976, Exper. Parasitol., v. 40 (1), 62-73
Brugia pahangi, histopathology in Mesocricetus auratus, lymph vessels and nodes, testes, epididymis, and spermatic cord, lungs, liver, potential for model of human filariasis

Granuloma
Manson-Bahr, P. E. C.; and Wilson, V. L. C., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 20 [Demonstration]
Leishmania donovani, Ethiopian strain in monkeys, production of self-healing hepatic granulomas and leishmaniomas

Granuloma
Moore, D. L.; Grove, D. I.; and Warren, K. S., 1977, J. Path., v. 121 (1), 41-50
Schistosoma mansoni egg granuloma in mice (exper.), dynamics of cellular infiltrates in granuloma and relationship to host immunologic state; sensitization with egg antigen accelerated granuloma formation

Granuloma
Moorhouse, D. E.; et al., 1971, Med. J. Australia, v. 2 (24), 1230-1233
Dirofilaria immitis, human infections presenting as pulmonary granulomata of unknown etiology, surgical excision, case reports: Queensland, Australia

Granuloma
Nadakal, A. M.; et al., 1973, Tr. Am. Micr. Soc., v. 92 (2), 273-276
Raillietina echinobothrida, new ant intermediate hosts, exper. infections in chickens revealed no effect of host age or infecting dose on prepatent period, histopathological changes, enteritis with granuloma formation

Granuloma
Oberlin, U. P.; and Weiss, N., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, part 1), 1178-1182
Schistosoma mansoni, hamsters (exper.), cell-mediated immune response to soluble egg antigens (SEA) determined by measuring size of granuloma formations in vivo and lymphocyte transformation reaction in vitro; humoral immune response estimated by measuring anti-SEA antibody titer in serum

Granuloma
Owor, R.; and Madda, J. P., 1977, East African Med. J., v. 54 (3), 137-141
human schistosomiasis (probably Schistosoma mansoni) causing tumor-like abdominal granulomas, review of biopsies and autopsies shows frequent diagnostic difficulties, clinical summary: West Nile and northern regions of Uganda

Granuloma
Phillips, S. M.; et al., 1977, J. Immunol., v. 118 (2), 594-599
Schistosoma mansoni in congenitally athymic (nude) mice, thymic dependency of eosinophilia, granuloma formation, and host morbidity

Granuloma
Pieron, R.; et al., 1974, Medecine Afrique Noire, v. 21 (4), 255-266
Schistosoma haematobium, case report, schistosomal peritoneal granuloma and accompanying lung infection, differential diagnosis by biopsy: native of Mauritius living in France

Granuloma
Rehbinder, C.; Christensson, D.; and Glatthard, V., 1975, Nord. Vet.-Med., v. 27 (10), 499-507
Onchocerca sp. in subperitoneal and subcutaneous granulomas and Setaria tundrae in encapsulations in peritoneum of reindeer, increasing incidence, association with liver lesions caused by Corynebacteria, found in forest herds but not mountain herds

Granuloma
Ringsted, J.; et al., 1976, Am. J. Clin. Path., v. 66 (4), 723-730
disseminated amebic meningoencephalitis probably due to Acanthamoeba sp., visceral and subcutaneous amebic granulomas discovered at autopsy, child: Korea

Granuloma
Ruberti, R. F.; and Chopra, S. A., 1976, Medecine Afrique Noire, v. 23 (2), 77-81
granulomatous schistosomiasis of spinal cord, clinical review, case reports: Kenya; Tanzania

Granuloma
Saoud, M. F. A.; et al., 1976, J. Helminth., v. 50 (3), 173-174
Schistosoma rodhaini, golden hamsters, pancreatic histopathology, may be useful experimental model for resolving controversial issue of etiological relationship between schistosomiasis and diabetes

Granuloma
Sapunar, J.; Castillo, P.; and Diaz, M., 1973, Bol. Chileno Parasitol., v. 28 (3-4), 91-95
parasitic granulomatous cholecystitis of probable Fasciola hepatica origin, young girl: Chile

Granuloma
Slais, J.; Sterva, J.; and Zikova, A., 1973, Plzen. Lek. Sborn. (39), 231-234
Capillaria hepatica manifesting as solitary hepatic granuloma in humans, pathologic findings

Granuloma
Smith, J. H.; and von Lichtenberg, F., 1976, Am. J. Trop. Med. and Hyg., v. 25 (4), 595-601
study of degradation of calcific Schistosoma haematobium eggs in mouse tissue, typical granulomatous formation during decalcification, apparent immunologic inertness of egg possibly linked to local tissue calcium balance

Granuloma
Smith, M. D., 1977, Parasitology, v. 75 (1), 119-123
Schistosoma mansoni, mice, ultrastructural development of schistosome egg granuloma, delayed hypersensitivity response predominates during early stages but as the infection proceeds circulating antibody appears and granulomatous response is mediated by immune-complex reaction possibly of Arthus type

Granuloma
Smithers, S. R.; and Terry, R. J., 1976, Advances Parasitol., v. 14, 399-422
immunology of schistosomiasis, updated review [see Smithers and Terry, 1969 a, Supplement 19]

Granuloma
Sogandares-Bernal, F.; and Brandt, S., 1976, Ztschr. Parasitenk., v. 50 (3), 331-334
Schistosoma mansoni, mice, egg-induced granulomata, detection of I_gM, $7S_{\gamma 1}$ and C3, possible roles in sequestration of antigens, Hoeppli phenomenon, ultimate death of embryo or miracidium

Granuloma
Sucharit, S.; Riganti, M.; and Harinasuta, C., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 286-287 [Demonstration]
Brugia pahangi, rats and gerbils, splenic granulomas and high eosinophilia in research animals used in selection process for increased susceptibility, possible application to research on tropical pulmonary eosinophilia

Granuloma
Sucharit, S.; Riganti, M.; and Harinasuta, C., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (2), 223-225
Brugia pahangi in white rats and gerbils being used in laboratory studies to increase susceptibility to infection, evidence of splenic granulomas and high eosinophilia, possible application to research on human pulmonary eosinophilia

Granuloma
Timperman, J.; and Peremans, J., 1968, Med. Sc. and Law, v. 8 (3), 207-208
evidence of multiple granuloma-like lesions in lung and liver found at autopsy in pilot who had crashed inexplicably, apparently silent infection caused by Schistosoma mansoni, significance of disease findings to physical requirements of profession: Belgium

Granuloma
Valente, C. A.; and de Lima Filho, O. A., 1974, Maternidade e Infancia, v. 33 (3), 377-388
Schistosoma mansoni, human, liomyoma of uterine cervix associated with schistosomal ova and granuloma, case report: Brasil

Granuloma
Valenza, F., 1974, Atti Soc. Ital. Sc. Vet., v. 28, 704-705
Syngamus, pheasants, tracheal granulomas, pathology, description of lesions

Granuloma
Vincent, A. L.; Frommes, S. P.; and Ash, L. R., 1976, Exper. Parasitol., v. 40 (3), 330-354
Brugia, 3 spp. in Meriones unguiculatus, pulmonary pathology, results suggest that localization in pulmonary arteries should not be considered an aberrant mode of development

Granuloma
Warren, K. S., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 113-119
schistosomiasis, immunopathogenesis, modulation of granulomatous inflammation and amelioration of disease, mechanisms, workshop report

Granuloma
Warren, K. S.; et al., 1974, J. Immunol., v. 112 (3), 996-1007
Schistosoma mansoni, mice, cholera toxin profoundly suppressed cell-mediated immunologic reactivity (dermal footpad swelling to soluble egg antigens, granuloma formation around eggs, production of macrophage migration inhibition factor) and ameliorated portal hypertension and esophageal varices in hepatosplenic schistosomiasis

Granuloma
Warren, K. S.; Pelley, R. P.; and Mahmoud, A. A. F., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 957-962
Schistosoma mansoni, mice, effects of curative treatment on resistance to reinfection and on granulomatous hypersensitivity following reinfection, results suggest that both immunity and modulation of immunopathology are residual after curative treatment

Granuloma
Watanabe, M.; Shishido, T.; and Kuramoto, S., 1975, No To Shinkei (Brain and Nerve), v. 27 (4), 395-405
cerebral schistosomal granuloma in young child, differential diagnosis, surgical excision of granuloma, case report: Japan

Granuloma
Yoshikawa, T.; Oyamada, T.; and Yoshikawa, M., 1976, Japan. J. Vet. Sc., v. 38 (2), 105-115
Setaria digitata, cattle, accidental parasitic entry in bovine urinary bladder from abdominal cavity, pathology of granulomatous lesions, histological findings

Great Britain
George, R. S., 1974, Provisional atlas of the insects of the British Isles. Part 4. Siphonaptera. Fleas, 12 pp., maps.
provisional atlas of flea fauna: British Isles

Great Britain
Jacobs, D. E.; and Pegg, E. J., 1976, J. Helminth., v. 50 (4), 265-266
gastrointestinal nematodes of elite show dogs, host age and sex, relatively low level of patent infections: Great Britain (Toxocara canis; Toxascaris leonina; Trichuris vulpis; Uncinaria stenocephala)

Great Britain, England
Else, R. W.; et al., 1977, J. Small Animal Practice, v. 18 (11), 731-737
survey of endo- and ecto-parasites of dogs and cats: East Anglia
(Toxocara spp.; Toxascaris leonina; Ancylostoma sp.; Uncinaria sp.; Taenia sp.; Dipylidium sp.; fleas; Toxocara canis; Trichuris spp.; lice)

Great Britain, England
Hall, A. P.; Ridley, D. S.; and Thomas, J. R. L., 1976, Brit. Med. J. (6024), v. 1, 1542
results of fecal survey of all food handlers in a food factory after discovery of parasitism in one employee
(Entamoeba histolytica, Giardia lamblia, Hymenolepis nana, Strongyloides, Trichuris, Ascaris, hookworm, Schistosoma mansoni, Entamoeba coli, Endolimax nana)

Great Britain, England
Jacobs, D. E.; and Prole, J. H. B., 1976, Vet. Parasitol., v. 1 (4), 377-387
helminth infections of racing greyhounds, survey of 869 dogs, prevalence in relation to age and sex of host and season of year: southeast England
(Toxocara canis; Toxascaris leonina; Trichuris vulpis; Uncinaria stenocephala)

Great Britain, Scotland
Adam, K. M. G.; Beasley, S. J.; and Blewett, D. A., 1977, Research Vet. Sc., v. 23 (2), 133-138
babesial antibody detected in sera of wild red deer by indirect fluorescent antibody technique, incidence, age and sex of host: Scotland

Great Britain, Scotland
Blewett, D. A.; and Adam, K. M. G., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 284 [Demonstration]
Babesia divergens, serological screening of 20,000 bovine sera, antibody incidence: Scotland

Great Britain, Scotland
Goel, K. M.; et al., 1977, Brit. Med. J. (6062), v. 1, 676-679
intestinal parasite prevalence survey of immigrant children to assess potential for transmissible infections and possible health hazards to indigenous children: Glasgow
(Giardia lamblia; Trichuris trichiura; Ascaris lumbricoides; hookworm; threadworms; Hymenolepis nana; Entamoeba coli; Iodamoeba buetschlii)

Great Britain, Wales
Herbert, I. V.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 116 [Demonstration]
survey of prevalence of cestode parasites in farm dogs: Snowdonia, Wales
(Taenia hydatigena; Dipylidium caninum; Taenia pisiformis; T. multiceps; Echinococcus granulosus)

Great Britain, Wales
Walters, T. M. H., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 105-108
Echinococcus granulosus, symposium report on status of echinococcosis in Wales

Greenland
Brinkmann, A., jr., 1975, Medd. Grønland, v. 205 (2), 1-88
trematodes of fish

Growth. [See also Culture; Development; Reproduction]

Growth, Host
van Adrichem, P. W. M.; and Shaw, J. C., 1977, J. Animal Sc., v. 45 (3), 417-422
gastrointestinal nematodes, monozygous twin cattle, comparison of treated and untreated pairs infected naturally on pasture, growth performance, results indicate that the reduced growth may be long-lasting

Growth, Host
van Adrichem, P. W. M.; and Shaw, J. C., 1977, J. Animal Sc., v. 45 (3), 423-429
gastrointestinal nematodes, effects on growth performance and milk production in cambendazole-treated vs. non-treated monozygous twin cattle naturally infected on pasture during the first lactation period

Growth, Host
Amborski, G. F.; Bello, T. R.; and Torbert, B. J., 1974, Am. J. Vet. Research, v. 35 (9), 1181-1188
Strongylus vulgaris, more adverse host reaction in parasite-free ponies than in ponies sensitized by previous natural infection, changes in serum glycoprotein patterns may be related to arterial damage associated with larval migrations

Growth, Host
Andersen, S., 1976, Nord. Vet.-Med., v. 28 (6), 322-330
Ascaris suum, negative influence on growth rate of pigs (exper.)

Growth, Host
Balbo, T.; et al., 1973, Ann. Fac. Med. Vet. Torino, v. 20, Suppl., 33-71
Fasciola hepatica, cattle (exper.), clinical and diagnostic aspects (coprology; blood picture; serum proteins; immunological determination of albumins and globulins; serum enzymes; bilirubin; BSF; serum minerals; body weight gain)

Growth, Host
Bergstrom, R. C.; Kinnison, J. L.; and Werner, B. A., 1977, Am. J. Vet. Research, v. 38 (6), 887-888
Trichostrongylus colubriformis, Eimeria ninakohlyakimovae, changes in weight gains, feed conversion efficiency, and wool fiber diameter in lambs maintained on 2 different diets (good ration; marginal diet)

Growth, Host
Berry, C. I.; and Dargie, J. D., 1976, Vet. Parasitol., v. 2 (4), 317-332
Fasciola hepatica, sheep, role of host nutrition in pathogenesis, effects of diets providing different protein intake and of a switch from high to low protein diet on anemia, hypoalbuminemia, and weight

Growth, Host
Best, J. C.; et al., 1976, Med. J. Australia, v. 1 (1-2), 14-20
assessment of growth-rate and growth-retardation in Australian Aboriginal children before and after treatment for common intestinal parasites

Growth, Host
Bombeke, A.; Okerman, F.; and Moermans, R., 1977, Rev. Agric., Bruxelles, v. 30 (3), 749-760
coccidiostats whitsyn 10, coyden 25 in feed of growing rabbits, growth, feed consumption and feed conversion efficiency; statistical analysis methods

Growth, Host
Bryan, R. P., 1976, Austral. Vet. J., v. 52 (9), 403-408
nematodes, paramphistomes, young beef cattle, growth rates, levamisole, niclosamide

Growth, Host
Canale, A.; et al., 1973, Ann. Fac. Med. Vet. Torino, v. 20, Suppl., 72-82
Fasciola hepatica, calves (exper.), no strong variations in ability to digest diet as compared to controls, not an explanation for observed growth deficiencies

Growth, Host
Canale, A.; et al., 1977, Folia Vet. Latina, v. 7 (1), 82-90
Ostertagia ostertagi, calves (exper.), digestive utilization of host diet, results indicate that the diminished digestibility is not sufficient to account for the reduced growth

Growth, Host
Cattan, P. E.; and Videla, N. N., 1976, Bol. Chileno Parasitol., v. 31 (3-4), 71-74
Anisakis sp., survey of parasitized Trachurus murphyi (cavidad celomatica, mesenterios, estomago, intestino, gonadas), relationship between size of fish and frequency of parasitism, potential for human infection through fish consumption: puertos de Arica e Iquique, Chile

Growth, Host
Chapman, H. D., 1974, Research Vet. Sc., v. 16 (1), 1-6
lambs under a husbandry system with crowded indoor housing, performance in 2 separate trials: growth during acquisition of natural mixed coccidial infections; pathogenicity of an artificial infection of primarily Eimeria ninakohlyakimovae, growth, blood changes

Growth, Host
Chapman, H.D.; Lewis, J.A.; and Searle, R.M., 1973, Research Vet. Sc., v. 14 (3), 369-375
growth of lambs during acquisition of natural infection of coccidia acquired at pasture, no difference in growth between untreated and amprolium-sulphadimidine treated groups; absence of effect on growth of identical medication regime in relatively coccidia-free lambs indicates lack of toxicity of drugs; results demonstrate that natural subclinical infections of coccidia are not important under this husbandry system

Growth, Host
Coop, R. L.; and Sykes, A. R., 1977, Parasitology, v. 75 (2), xxxvi-xxxvii [Abstract]
Fasciola hepatica, sheep, sub-clinical infection reduced liveweight gain, food intake, efficiency of food utilization, and deposition of fat and protein

Growth, Host
Coop, R. L.; Sykes, A. R.; and Angus, K. W., 1976, Parasitology, v. 73 (2), xxxii [Abstract]
Ostertagia circumcincta, lambs, subclinical infection, effect on food intake and utilization and skeletal growth

Growth, Host
Coop, R. L.; Sykes, A. R.; and Angus, K. W., 1977, Research Vet. Sc., v. 23 (1), 76-83
Ostertagia circumcincta, sheep (exper.), continuous small infections, clinical observations, body weight and food intake, worm populations and faecal egg count, pathology, concentrations of serum constituents and assessment of their value in diagnosis of sub-clinical ostertagiasis

Growth, Host
Copeman, R.; Pashen, D.; and Burger, G., 1975, Med. J. Australia, v. 1, suppl. 2, 8-13
association of common intestinal parasites to growth, nutrition and living situation of Aboriginal children: Cunnamulla, Western Queensland

Growth, Host
Cormaci, M., 1973, Atti Accad. Gioenia Sc. Nat. Catania, v. 149, 7. s., v. 5, 51-61
Mytilicola intestinalis, incidence increases with size of Mytilus galloprovincialis, under 8 parasites per mussel causes no weight loss: Siracusa

Growth, Host
Cornwell, R. L.; Jones, R. M.; and Pott, J. M., 1973, Brit. Vet. J., v. 129 (6), 526-532
cattle, morantel tartrate, good results against Cooperia sp., Ostertagia sp., and Trichostrongylus sp., increased weight gain in treated cattle, field trials: United Kingdom

Growth, Host
Cottier, K.; Dobbie, J. L.; and Andrew, B. L., 1976, N. Zealand J. Exper. Agric., v. 4 (3), 285-290
anthelmintic drenching of lambs from January to June, 0 vs. 3 vs. 6 drenches, effect on live weight gains and on wool weight and quality, drenching is beneficial but greater increases due to 6 drenches are probably offset by greater costs: Waikato, New Zealand

Growth, Host
Crossland, N. O.; et al., 1977, Brit. Vet. J., v. 133 (5), 518-525
Fasciola hepatica, lowland sheep, oxyclozanide and molluscicide trifenmorph, increased productivity and weight gain, increased weight and number of lambs produced: United Kingdom

Growth, Host
Cummins, L. J.; and Tweedle, N. E., 1977, Austral. Vet. J., v. 53 (12), 591-592
Linognathus vituli, cattle, light infestations, lice control with famphur and levamisole had no influence on host growth: western Victoria

Growth, Host
Damron, B. L.; et al., 1977, Poultry Science, v. 56 (5), 1487-1491
coccidiostats lasalocid or monensin in combination with roxarsone and various levels of methionine, broiler performance and processing characteristics

Growth, Host
DeVaney, J. A., 1976, Poultry Science, v. 55 (1), 430-435
Menacanthus stramineus, caged White Leghorn hens, decrease in hen weight, egg production, clutch size and feed consumption

Growth, Host
Downey, N. E., 1976, Vet. Rec., v. 99 (14), 267-270
nematodes, calves (natural infections), oxfendazole compared with levamisole (oxfendazole showed higher efficacy than levamisole against Ostertagia spp., similar efficacy against other species), both drugs increased calves' weight gains

Growth, Host
Edwards, C. M.; et al., 1976, Vet. Rec., v. 98 (18), 372
liver flukes, sheep (exper.), reduced growth and quality of sheep wool

Growth, Host
Euzeby, J., 1976, Rev. Med. Vet., Toulouse, v. 127 (12), 1747-1763
gastrointestinal nematodes, lambs, pyrantel tartrate, good efficacy, increased host growth

Growth, Host
Evans, W. A., 1974, J. Wildlife Dis., v. 10 (4), 341-346
Sanguinicola klamathensis, growth, mortality, and blood changes of experimentally infected Salmo clarki

Growth, Host
Fitzgerald, P. R.; and Mansfield, M. E., 1973, J. Protozool., v. 20 (1), 121-126
Eimeria bovis, Holstein-Friesian calves (exper.), monensin incorporated in pelleted feed protected against severe clinical coccidiosis, observations on oocyst discharge in feces, clinical signs, weight gains, food consumption, hemoglobin, packed cell volume, total serum protein, sodium and potassium content of serum, and differential white cell count

Growth, Host
Frelier, P.; et al., 1977, Science (4284), v. 195, 1341-1342
Sarcocystis, 8 yearling dairy heifers, clinical and hematologic findings, histologic demonstration of schizonts, serologic evidence confirmed diagnosis, resident farm dog incriminated as source of infection, possible economic impact of acute sarcocystosis causing poor growth rate or death: Seneca County, central New York State

Growth, Host
Fudalewicz-Niemczyk, W.; et al., 1975, Med. Wet., v. 31 (11), 666-668
sheep helminths, effective control with nilverm and zanil, increased weight gains and shearing yields: Hanczowa, Gorlice district

Growth, Host
Fudalewicz-Niemczyk, W.; et al., 1976, Acta Zootech., Bratislava (32), 5-19
gastrointestinal helminths, mountain sheep, nilverm and zanil, favorable influence on body weight and wool production of treated animals, no influence of treatment on fertility: Poland

Growth, Host
Garadi, P.; and Biro, P., 1975, Ann. Inst. Biol. (Tihany) Hungar. Acad. Scient., v. 42, 165-173
Ligula intestinalis, Abramis brama, effect on bream growth (through measurements of standard length, total caudal radii of scales, weight): Lake Balaton, Hungary

Growth, Host
Gibson, T. E.; and Everett, G., 1976, J. Comp. Path., v. 86 (2), 269-274
Ostertagia circumcincta, lambs, effect of different levels of larval intake on faecal egg counts and weight gain, no significant acquired resistance demonstrated

Growth, Host
Gibson, T. E.; and Everett, G., 1975, Vet. Parasitol., v. 1 (1), 85-89
Ostertagia circumcincta, ewes and lambs exposed to experimentally simulated postparturient rise of faecal egg count on pastures, compared to similar group not exposed to postparturient rise, worm burdens and weight gains, implications for control

Growth, Host
Gibson, T. E.; and Everett, G., 1975, Vet. Parasitol., v. 1 (1), 77-83
Ostertagia circumcincta infection in lambs originating from larvae which survived the winter, pastures with high vs. low residual larval infection, differences in worm burdens between 2 groups but no significant difference in weight gain, implications for worm control

Growth, Host
Gibson, T. E.; and Parfitt, J. W., 1976, J. Comp. Path., v. 86 (4), 547-555
Ostertagia circumcincta, sheep, phenothiazine and thiabendazole treatment, no influence on host resistance, slight effect on weight gain

Growth, Host
Golebiowski, S.; and Barancewicz, S., 1976, Med. Wet., v. 32 (7), 424-426
influence of polfamix, polfasol and dehelminthization with piperazine adipate, fattening of pigs

Growth, Host
Guerrero, C.; Rojas, M.; and Vargas, J., 1974, Rev. Invest. Pecuarias, v. 3 (1), 9-14
gastrointestinal nematodes, alpacas, activity of l-tetramisole, significant body weight gain in treated animals

Growth, Host
Gupta, M. C.; et al., 1977, Lancet, London (8029), v. 2, 108-110
ascariasis-infested preschool children, effect of periodic deworming with tetramisole on nutritional status and growth in children receiving government-supplied food supplements: Uttar Pradesh, India

Growth, Host
Hale, O. M.; Stewart, T. B.; and Johnson, J. C., jr., 1977, Research Bull. (203) Agric. Exper. Stations Univ. Georgia, 3-21
Strongyloides ransomi, Ascaris suum, naturally infected gilt and/or barrow crossbred pigs, superimposed S. ransomi infection, differences in performance with diets of varying levels of protein and vitamins not significant

Growth, Host
Heath, A. C. G.; et al., 1977, N. Zealand J. Agric. Research, v. 20 (1), 19-22
Haemaphysalis longicornis, dipped and undipped sheep, tick counts, blood analysis, live-weight gain, wool production and quality: New Zealand

Growth, Host
Helle, O.; and Tharaldsen, J., 1976, Vet. Parasitol., v. 1 (4), 345-357
Ostertagia ostertagi and Cooperia spp. in young cattle during their first grazing season, free-living stages overwintered in sufficient numbers to cause reduced weight gain and clinical disease in early spring, thiabendazole treatment and move to clean pasture improved weight gain: Norway

Growth, Host
Henriksen, Sv. Aa.; et al., 1976, Vet. Parasitol., v. 2 (3), 259-272
gastro-intestinal nematodes, young calves during first grazing season, infection levels, blood findings, body weight gains, comparison of animals grazing same pasture entire season with those moved in early July and between levamisole-treated and untreated animals: Denmark

Growth, Host
Hope Cawdery, M. J.; et al., 1977, Brit. Vet. J., v. 133 (2), 145-159
Fasciola hepatica, initial and superimposed infection, beef cattle, feed intake, food conversion efficiency, liveweight gain

Growth, Host
Horak, I. G.; Honer, M. R.; and Schroeder, J., 1976, J. South African Vet. Ass., v. 47 (4), 247-251
helminths and Oestrus ovis, merino sheep, treated at four-weekly intervals or strategically, live mass gains, wool production and fecal worm egg counts, compared with untreated controls: Eastern Transvaal Highveld

Growth, Host
Insler, G. D.; and Roberts, L. S., 1976, Exper. Parasitol., v. 39 (3), 351-357
Hymenolepis diminuta, lack of pathogenicity in the healthy rat host, no difference in growth rate of infected vs. uninfected animals, "Since H. diminuta appears not to affect nutrient utilization or consumption in a healthy, unstressed host, at least on a gross level, it probably should be considered an endocommensal."

Growth, Host
Jacobson, H. A.; and Kirkpatrick, R. L., 1974, J. Wildlife Dis., v. 10 (4), 384-391
comparison of selected physiological measurements in untreated parasitized cottontail rabbits and those treated with l-tetramisole hydrochloride and 2,2-dichlorovinyl, dimethyl phosphate: Montgomery County, Virginia

Growth, Host
James, B. L., 1968, J. Nat. Hist., v. 2 (1), 21-37
Parvatrema homoeotecnum, percentage infection in Littorina saxatilis tenebrosa var. similis as affected by seasonal variations in host population density and correlation with host breeding cycle, migration, growth and mortality; brief comparisons with distribution in Microphallus similis and M. pygmaeus forms A and B: Twr Gwylanod, near Aberystwyth

Growth, Host
John, D. T., 1974, Proc. Helminth. Soc. Washington, v. 41 (2), 121-126
Angiostrongylus cantonensis, mice (exper.), acquired immunity, weight loss occurred to a lesser degree in immunized mice, they experienced a greater leukocytosis

Growth, Host
Johnson, J. C., jr.; Stewart, T. B.; and Hale, O. M., 1975, J. Parasitol., v. 61 (3), 517-524
responses of pigs to natural infections of Strongyloides ransomi and Ascaris suum and to superimposed artificial infection with Strongyloides ransomi: effects of breed (Duroc, Hampshire, Duroc-Hampshire crossbred), level of Strongyloides ransomi infection, and season (spring, fall) on performance of growing-finishing pigs

Growth, Host
Jordan, H. E.; et al., 1977, Am. J. Vet. Research, v. 38 (8), 1157-1160
Ostertagia ostertagi, Cooperia, influence on energy efficiency in full-fed vs. maintenance-fed steers with high vs. low worm burdens (low worm burdens did not significantly effect energy utilization; in full-fed steers, energy retention was greater in steers with lower worm burdens; maintenance-fed steers were more heavily parasitized than full-fed steers)

Growth, Host
Jose, D. G.; and Welch, J. S., 1970, Med. J. Australia, v. 1 (8), 349-356
possible role of intestinal parasitism in growth-retarded, anemic and malnourished Australian Aboriginal children, comparison with normal Aboriginal children: Queensland

Growth, Host
Joyner, L. P.; et al., 1975, Avian Path., v. 4 (1), 17-33
Eimeria acervulina-infected chickens, amino acid malabsorption and intestinal leakage of plasma proteins, food intake and growth, results suggest that anorexia and protein leakage from gut are major factors in pathogenesis

Growth, Host
Kershaw, W. E.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 11-12 [Demonstration]
Litomosoides carinii, effect of host dietary fat content on growth and development of parasite and cotton rat hosts

Growth, Host
Kershaw, W. E.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 11-12 [Demonstration]
Litomosoides carinii, effect of protein-deficient diets on growth and development of parasites and cotton rat hosts

Growth, Host
Kirton, A. H.; et al., 1976, N. Zealand Vet. J., v. 24 (4), 59-64
Dictyocaulus sp., lambs, seasonal incidence of enzootic pneumonia, effect on growth, little economic significance in present flock

Growth, Host
Kyaw, A.; and Oo, M., 1976, Jap. J. Med. Sc. and Biol., v. 29 (2), 105-108
increase in hepatic lysosomal enzyme levels in mice infected with Hymenolepis diminuta, effects on growth and metabolism

Growth, Host
Lee, C. M.; Aboko-Cole, G. F.; and Fletcher, J., 1976, Ztschr. Parasitenk., v. 49 (1), 1-10
Trypanosoma musculi, vitamin A-deficient mice, increased parasitemia, delayed action of reproductive-inhibiting and terminal lytic antibodies, increase in body weight gains and food consumption

Growth, Host
Lee, C. M.; George, Y. G.; and Aboko-Cole, G. F., 1977, Internat. J. Biochem., v. 8 (7), 525-529
Trypanosoma lewisi in iron-deficient rats, parasitemias, trypanosome cell size and antibody formation, host body weight gains and food consumption

Growth, Host
Leinati, L.; Oberosler, R.; and Beber, L., 1972, Atti Soc. Ital. Sc. Vet., v. 26, 479-481
Hypoderm[a], bovine, control, disinfestation of mountain pastures by calcium cyanamide and by grazing of poultry, increased weight gain by cattle

Growth, Host
Levine, N. D.; et al., 1975, Am. J. Vet. Research, v. 36 (10), 1459-1464
lambs grazing with their ewes under 2 pasture rotation systems, lambs under rotation had more nematodes and gained less weight than nonrotated control lambs, rotation is not recommended to control nematode parasitism of sheep in Illinois

Growth, Host
Luengo, J.; and Barriga, O. O., 1966, Bol. Chileno Parasitol., v. 21 (1), 2-7
Trichinella spiralis in Rattus norvegicus (exper.), high single dose of thiabendazole effective on enteral infection but showed little effect on migrating larvae and no effect on encysted parasites, increased weight gain in treated rats

Growth, Host
McDougald, L. R., 1976, Poultry Science, v. 55 (6), 2442-2447
Eimeria adenoides, E. meleagrimitis, E. gallopavonis, turkeys, monensin, good efficacy, increased host growth

Growth, Host
McLeod, C. C., 1976, N. Zealand J. Exper. Agric., v. 4 (2), 215-218
thiabendazole, tetramisole, pre- and post-weaning anthelmintic drenching, live-weight gain, wool weight in Romney ewe lambs with strongyle infections better in treated than in untreated lambs, no significant differences between anthelmintics

Growth, Host
McLeod, C. C.; Wolff, J. E.; and Schwarz, G., 1976, N. Zealand J. Exper. Agric., v. 4 (2), 219-225
thiabendazole and selenium drenching, weaned Merino or halfbred ewe lambs, grazing on pasture or in paddocks with supplementary feeding, live-weight gain, wool weights: South Canterbury

Growth, Host
Malczewski, A.; et al., 1975, Med. Wet., v. 31 (12), 728-731
helminths, sheep, treatment with Nilverm and Nilzan more effective in May and November than in May and September, higher economic profit, increased weight gains and shearing yields: Olsztyn province

Growth, Host
Manuel, M. F.; and Alcarde, J. A., 1975, Philippine J. Vet. Med., v. 13 (1-2), 156-162
coccidiosis, broilers raised on deep litter, Amprol Plus, Zoamix, NF-180, comparative drug efficacies, growth and mortality rates

Growth, Host
Nadakal, A. M.; et al., 1975, Riv. Parassitol., Roma, v. 36 (1), 41-46
Raillietina tetragona, four breeds of domestic chickens, calcium deficient diets, significant depression of weight gains, breed differences in calcium content of worms and total leucocyte values of host birds

Growth, Host
Nowosad, B., 1975, Zeszyty Nauk. Akad. Rolnicz. Krakow. (98), Zootech (15), 187-218
lambs, experimental infection with various combinations and doses of gastrointestinal helminths, lowered body weight and changes in host measurements, equivalent losses in slaughter value; poor coordination between number of larvae in experimental dose and number of eggs in feces in standard techniques of fecal examination

Growth, Host
Okao, E. T., 1975, Trop. Animal Health and Prod., v. 7 (3), 157-163
Fasciola gigantica, live weight gains of chronically infected cattle (Bos indicus) following treatment with oxyclozanide, rafoxanide, hexachlorophene and nitroxynil, optimum frequency of treatment is 3 times a year, chemotherapy as a control measure is economically beneficial to livestock industry in Uganda

Growth, Host
Pascoe, D.; and Mattey, D., 1977, Ztschr. Parasitenk., v. 51 (2), pp. 179-186
Schistocephalus solidus-parasitized Gasterosteus aculeatus, 3 different feeding levels, compared with parasite-free fish; parasitized fish on restricted diets died before parasite-free fish; feeding rate to maintain total body weight higher in parasite-free fish, may reflect greater gross efficiency of parasite

Growth, Host
Pearre, S., jr., 1976, J. Marine Biol. Ass. United Kingdom, v. 56 (2), 503-513
hemiurid larvae, gigantism and partial parasitic castration of Sagitta spp., incidence, seasonal distribution, copepod prey Paracalanus sp. possible vector of infection: off Spanish Mediterranean coast

Growth, Host
Phares, C. K.; and Carroll, R. M., 1977, J. Parasitol., v. 63 (4), 690-693
Spirometra mansonoides, lipogenic effect of plerocercoid infection in intact hamsters, distinctly unlike lipolytic effect reported for mammalian growth hormone

Growth, Host
Phares, C. K.; Hofert, J. F.; and Pettinger, C. L., 1976, Gen. and Comp. Endocrinol., v. 28 (1), 103-106
Spirometra mansonoides, hypophysectomized-plerocercoid-infected rats, growth stimulation of lymphatic tissue: in vitro incorporation of ^{3}H-labeled nucleosides into DNA and RNA of isolated thymocytes; spleen thymidine kinase activity

Growth, Host
Ponyi, J.; Biro, P.; and Murai, E., 1972, Parasitol. Hungar., v. 5, 383-408
internal helminths of Acerina cernua (intestine), incidence survey, seasonal variations and host growth and development in relationship to parasitic burden: Lake Balaton, Hungary

Growth, Host
Pout, D. D., 1974, Brit. Vet. J., v. 130 (1), 54-60
E[imeria] crandallis, E[imeria] arloingi 'B', lambs (exper.), effects on host growth, food intake, faecal oocyst production and clinical symptoms; results indicate that diet may influence the total body response to infection in experimental animals

Growth, Host
Powlesland, R. G., 1977, N. Zealand J. Zool., v. 4 (1), 85-94
Ornithonyssus bursa on Sturnus vulgaris, no demonstrable effects on growth rate, mortality, blood picture or lipid stores of nestlings; seasonal pattern of infestation parallels starling breeding season: Manawatu region, New Zealand

Growth, Host
Rawstron, R. R., 1971, Calif. Fish and Game, v. 57 (4), 253-256
hatchery-raised Salmo gairdneri, good harvest and survival rates and good growth despite heavy infestation with Sanguinicola davisi: Merle Collins Reservoir, Yuba County, California

Growth, Host
Reid, W. M.; and Johnson, J., 1974, Folia Vet. Latina, v. 4 (4), 585-602
Eimeria brunetti in chickens, severity of pathogenicity, lesion scoring and weight gains, economic losses, diagnostic techniques

Growth, Host
Ruegamer, W. R. ; and Phares, C. K., 1974, Proc. Soc. Exper. Biol. and Med., v. 146 (3), 698-702
Spirometra mansonoides, determination of age at which rats (exper.) show growth response to infections with plerocercoids, results show that slowly-growing intact female rats (96-133 days old) can be made to grow faster than uninfected controls and that they utilize their food more efficiently for growth, similar preliminary findings in infected males

Growth, Host
Ruff, M. D.; Reid, W. M.; and Rahn, A. P., 1976, Am. J. Vet. Research, v. 37 (8), 963-967
coccidiosis in broilers, different levels of monensin, body weight gain, feed conversion, lesion score, mortality, skin and blood pigmentation

Growth, Host
Schillhorn van Veen, T.; and Brinckman, W. L., 1975, Samaru Agric. Newsletter, v. 17 (2), 70-74
Haemonchus contortus, Trichostrongylus sp., Oesophagostomum sp., lambs, regular drenching with thiabendazole at regular intervals during rainy season, better weight gain, cost/benefit; possible influence of resistance and breed of sheep

Growth, Host
Scott, K. J.; and Bullock, W. L., 1974, Proc. Helminth. Soc. Washington, v. 41 (2), 256-257
Bothriomonus sturionis, variation in rate of infection, seasonal peak, gonads absent in infected female Psammonyx nobilis, no effect on size: Foss Beach, New Hampshire; Gerrish Island and Goose Rocks Beach, Maine

Growth, Host
Sen, D. K.; and Jones, W. R., 1973, J. Protozool., v. 20 (4), 504
Trypanosoma duttoni, growth response of mice on normal vs. pyridoxine-deficient diet compared with uninfected controls

Growth, Host
Sen, D. K.; and Jones, W. R., 1974, J. Protozool., v. 21 (3), 446 [Abstract]
Trypanosoma duttoni, castrated and uncastrated mice on two different diets, growth response and parasitemia

Growth, Host
Sheahan, B. J.; O'Connor, P. J.; and Kelly, E. P., 1974, Vet. Rec., v. 95 (8), 169-170
Sarcoptes scabiei, pigs, compensatory weight gains following treatment for sarcoptic mange; ears of pigs should be treated during spraying or dipping

Growth, Host
Sinclair, K. B., 1975, Research Vet. Sc., v. 19 (3), 296-303
Fasciola hepatica, sheep exposed to preliminary and challenge infections, pathophysiology (circulating eosinophils, plasma proteins, and glutamate dehydrogenase, voluntary dry matter intake, plasma loss in feces), no evidence of acquired resistance to physiological effects of infection

Growth, Host
Sutanto, A. H.; Sembiring, L.; and Simatupang, J., 1976, Paediat. Indonesiana, v. 16 (11-12), 453-463
field survey of ancylostomiasis in school children, no evidence of effect on height or weight, tetrachlorethylene therapy only 69% successful: Indonesia

Growth, Host
Sykes, A. H., 1970, Proc. Nutrition Soc., v. 29 (1), 16 A
Eimeria acervulina, infection in chicks (exper.) resulted in reduction of weight gain, some actual weight loss and impaired utilization of absorbed energy

Growth, Host
Sykes, A. R.; and Coop, R. L., 1976, J. Agric. Sc., v. 86 (3), 507-515
Trichostrongylus colubriformis larvae, lambs (exper.), food intake and utilization after parasitic damage to small intestine, body weight changes, reduced host mineral metabolism

Growth, Host
Sykes, A. R.; and Coop, R. L., 1977, J. Agric. Sc., v. 88 (3), 671-677
Ostertagia circumcincta larvae, daily dosing of growing sheep, reduction of food intake and utilization resulting from abomasal damage; reduced weight gain

Growth, Host
Sykes, A. R.; Coop, R. L.; and Angus, K. W., 1977, J. Comp. Path., v. 87 (4), 521-529
Ostertagia circumcincta, chronic sub-clinical parasitism of lambs, significantly reduces skeletal growth

Growth, Host
Tharaldsen, J., 1976, Acta Vet. Scand., v. 17, Suppl. 61, 1-21
trichostrongylid infections, calves, survival of larvae on pasture, occurrence of larvae not influenced by artificial irrigation; treatment with thiabendazole did not effectively control infection due to overwintering larvae, neither improved weight gain nor reduced egg production: Norway

Growth, Host
Thomas, R. J.; and Waller, P. J., 1975, Vet. Rec., v. 97 (24), 468-471
Ostertagia circumcincta, lambs naturally infected on pasture from spring to autumn, faecal egg counts, worm counts, serum pepsinogen levels, body weights, correlations; serum pepsinogen estimations as possible diagnostic test

Growth, Host
Vega-Franco, L.; et al., 1976, Bol. Med. Hosp. Inf., v. 33 (2), 293-299
Giardia lamblia, d-xylose absorption and growth patterns in infected children before and after tinidazole, comparison with normal controls: Mexico

Growth, Host
Waldhalm, D. G.; and Hall, R. F., 1977, J. Am. Vet. Med. Ass., v. 171 (5), 429-430
haloxon, thiabendazole, levamisole, feedlot cattle, light nematode infections, no significant difference in weight gains in treated or untreated groups, 113-day feeding period

Growth, Host
Weidner, E., 1976, J. Protozool., v. 23 (2), 234-238
Glugea stephani-induced xenoma in Pseudopleuronectes americanus, ultrastructure of peripheral zone

Growth, Host
Williams, J. C.; and Knox, J. W., 1976, Am. J. Vet. Research, v. 37 (4), 453-464
failure of stocker cattle to achieve projected weight gains at high stocking rates on Coastal bermudagrass pastures even with supplemental feeding and anthelmintic control of parasitism

Growth, Host
Williams, R. E.; and Hair, J. A., 1976, Ann. Entom. Soc. Am., v. 69 (3), 403-404
Amblyomma maculatum, eastern meadowlarks, statistical analysis showed no significant correlations to exist between measured parameters (weight, total solid plasma protein, hemoglobin, packed cell volume) and tick infestation levels

Growth, Host
Williams, R. E.; Hair, J. A.; and Buckner, R. G., 1977, J. Econom. Entom., v. 70 (2), 229-233
Amblyomma maculatum, effects of high and low tick infestations on blood composition and weights of steers fed a standardized diet; decreased numbers of ticks on cattle over time, possibly due to acquired resistance

Growth, Host
Wyatt, R. D.; Ruff, M. D.; and Page, R. K., 1975, Avian Dis., v. 19 (4), 730-740
chicks, interaction of aflatoxin with Eimeria tenella infection and monensin: E. tenella and aflatoxin in combination significantly increased mortality and weight depression, and caused more severely reduced hemoglobin, packed cell volume, and plasma pigmentation; monensin sodium did not completely prevent mortality and weight depression in a mixed infection; coccidial lesion scores were less for combination of E. tenella and aflatoxicosis than for coccidiosis alone

Growth, Host
Ziomko, I.; and Paciejewski, S., 1976, Med. Wet., v. 32 (12), 750-752
Trichocephalus suis, pigs, subclinical infection caused decrease in weight gains

Growth, Parasite
Ahmad, H.; et al., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (1), 36-41
Paragonimus siamensis, migration route, development, and egg output in experimental host, measurements of recovered mature worms

Growth, Parasite
Andersen, K., 1973, Norwegian J. Zool., v. 21 (4), 341-350
Diphyllobothrium dendriticum plerocercoids in Mesocrisetus auratus, Larus canus, and Alopex lagopus (exper. in all), frequency of primary vs. secondary strobilae in relation to host, age of worms, and density of infection compared with D. latum in M. auratus and A. lagopus and D. ditremum in M. auratus, primary strobilae appear in some individuals in response to unfavorable conditions; regeneration and/or growth studies show that rounded posterior segment in young D. dendriticum is not necessarily posterior 'end' of plerocercoid

Growth, Parasite
Ardehali, S., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 266-267 [Demonstration]
Leishmania enriettii, L. tropica major, culture forms, possible species differentiation by enumeration of free moving promastigotes growing in presence of rabbit antisera, trials with homologous and heterologous antisera

Growth, Parasite
Audy, J. R.; Radovsky, F. J.; and Vercammen-Grandjean, P. H., 1972, J. Med. Entom., v. 9 (6), 487-494
neosomy: radical intrastadial metamorphosis in arthropods, definitions, examples, association with parasitic existence, evolutionary significance, review

Growth, Parasite
Balasingam, E., 1964, Med. J. Malaya, v. 19 (1) 46-47
growth and morphology of Placoconus lotoris

Growth, Parasite
Baron, R. W.; and Tanner, C. E., 1976, Internat. J. Parasitol., v. 6 (1), 37-42
Echinococcus multilocularis in T-cell depleted A/J mice, adult thymectomy enhances metastasis but not growth of cysts, combined thymectomy and antithymocyte serum enhances both cyst growth and metastasis, suggested that cell-mediated immunity controls early phase of infection

Growth, Parasite
Bennett, C. E., 1977, Exper. Parasitol., v. 41 (1), 43-53
Fasciola hepatica during migration in mouse, development of parasite excretory and parenchymal systems

Growth, Parasite
Beveridge, I.; and Rickard, M. D., 1976, Internat. J. Parasitol., v. 6 (1), 55-59
Taenia pisiformis in rabbits (exper.), growth and development of rostellar hooks, hook differentiation and size related to age of cysticerci, ability to resist effects of digestive enzymes in vitro, and ability to infect dogs, variability in hook sizes attributable to external influences suggests caution in use of hook lengths as taxonomic characters

Growth, Parasite
Bogitsh, B. J.; and Carter, O. S., 1977, Tr. Am. Micr. Soc., v. 96 (2), 219-227
Schistosoma mansoni schistosomules, in vitro development of digestive tract, ultrastructure of esophagus, esophageal gland, and cecum; ingestion of red blood cells stimulates 'dense granule' synthesis and increased growth of cecal region

Growth, Parasite
Bretana, A.; and O'Daly, J. A., 1976, Internat. J. Parasitol., v. 6 (5), 379-386
Trypanosoma cruzi, uptake of proteins from fetal calf serum needed for growth, methods for labelling and subsequent localization (immunofluorescence; autoradiography; colloidal gold)

Growth, Parasite
Caceres, O.; and Fernandes, J. F., 1976, Rev. Brasil. Biol., v. 36 (2), 397-410
Trypanosoma cruzi, glucose metabolism, culture under fixed conditions, growth and differentiation

Growth, Parasite
Castro, G. A.; et al., 1974, Proc. Soc. Exper. Biol. and Med., v. 146 (3), 703-706
Trichinella spiralis, Hymenolepis diminuta, rats (exper.) in which all nutrients were derived from parenteral or exocrino-enteric circulation rather than by ingesting food orally; H. diminuta failed to develop and T. spiralis showed differences from normal population size thus suggesting the importance of food in the host intestine in regulating development of tissue and lumen-dwelling parasites

Growth, Parasite
Cawthorn, R. J.; and Anderson, R. C., 1976, Canad. J. Zool., v. 54 (4), 442-448
Physaloptera maxillaris larvae in Acheta pennsylvanicus, effects of temperature, age of host, and previous infection on parasite development; resulting infectivity to Mephitis mephitis

Growth, Parasite
Chang, K.-P., 1975, J. Protozool., v. 22 (2), 271-276
Blastocrithidia culicis, Crithidia oncopelti, intracellular symbiotes can be eliminated by single chloramphenicol treatment with subsequent reduced growth of flagellates

Growth, Parasite
Chang, K.-P., 1976, J. Protozool., v. 23 (2), 241-244
Blastocrithidia culicis, Crithidia oncopelti, symbiote-free strains: liver extract as essential growth factor in defined medium; cross-reactivity in reciprocal agglutination test with symbiote-containing strains indicates loss of symbiotes does not affect antigenic identity

Growth, Parasite
Chernin, J., 1975, J. Helminth., v. 49 (4), 297-300
Taenia crassiceps, effects of strain and sex of mice and strain of metacestodes on volumes of metacestodes recovered

Growth, Parasite
Cioli, D.; Knopf, P. M.; and Senft, A. W., 1977, Internat. J. Parasitol., v. 7 (4), 293-298
Schistosoma mansoni, survival, growth, and egg-laying capacity of worms surgically transplanted into permissive and nonpermissive hosts (from mice into rats or from rats into hamsters), results show that limitations imposed by nonpermissive hosts are reversible and that they affect maintenance of adults as well as progression of development

Growth, Parasite
Coadwell, W. J.; and Ward, P. F. V., 1977, Parasitology, v. 74 (2), 121-132
Haemonchus contortus, sheep (exper.), suggested that cyclic change in parasite growth pattern and arrested development is controlled by seasonal variation in concentration of substance(s) in host blood, sex of host and duration of infection had no effect on parasite length, age of host did relate to parasite length but relationship may have been an artifact

Growth, Parasite
Colgan, G. J.; and Nollen, P. M., 1977, J. Parasitol., v. 63 (4), 675-680
Philophthalmus hegeneri, multiple and monomiracidial infections in chicks, parasite growth and development, effects of transplanting adults from isolated to multiple and from multiple to isolated situations at various times during growth, transplantation of isolated Philophthalmus hegeneri with single adults of Philophthalmus megalurus did not stimulate growth in either species

Growth, Parasite
Dewey, V. C.; and Kidder, G. W., 1977, Canad. J. Biochem., v. 55 (1), 110-112
Crithidia fasciculata, inhibited growth with adenine analog, 4-aminopyrazolo(3,4-d) pyrimidine, adenine plus a pyrimidine (or a pyrimidine derivative) necessary for reversal of inhibition, adenine analog not inhibitory to enzymes of pyrimidine biosynthetic pathway; if not for its untoward effects in mammals, 4-APP might be suggested as possible therapeutic agent in trypanosomal infections

Growth, Parasite
Dohnalova, M.; and Kulda, J., 1977, J. Protozool., v. 24 (4), 50A [Abstract]
Tritrichomonas foetus, meagre respiration with erythritol as substrate, no stimulatory effect of erythritol on growth in vitro, results indicated that confinement of T. foetus to lumen of bovine uterus is not related to presence of erythritol at this site (in contrast to Brucella abortus)

Growth, Parasite
Dunkley, L. C.; and Mettrick, D. F., 1976, Canad. J. Zool., v. 54 (7), 1073-1078
Hymenolepis diminuta, rat, effect of increasing host dietary carbohydrate uptake on growth of 14-day-old worms, comparison of glucose vs. cornstarch diets

Growth, Parasite
Dutta, G. P.; and Yadava, J. N. S., 1976, Indian J. Med. Research, v. 64 (2), 224-228
interrelationship of pH and oxidation-reduction potential on growth of axenic Entamoeba histolytica and the influence of pH on amoebicidal activity of drugs

Growth, Parasite
Elkins, C. A.; and Corkum, K. C., 1976, J. Wildlife Dis., v. 12 (2), 208-214
Crepidostomum isostomum and Phyllodistomum pearsei, growth dynamics (growth phases categorized by development and maturation of reproductive system) and seasonal prevalence, age of host and prevalence of infection
Aphredoderus sayanus : Whisky Bay, west of Intercoastal Canal, West Baton Rouge Parish, Louisiana

Growth, Parasites
Ellis, J. C.; Bourns, T. K. R.; and Rau, M. E., 1975, Canad. J. Zool., v. 53 (12), 1803-1811
Trichobilharzia ocellata, previously infected Anas platyrhynchos and A. rubripes exposed to homologous challenge infections, migration, growth and development, and condition compared to initial infection

Growth, Parasite
Ferretti, G.; et al., 1972, Riv. Parassitol., Roma, v. 33 (3), 183-202
Vampirolepis nana, mathematical expression of parasite growth as function of population density: development in mice infected with 8, 24, 80, or 240 eggs; development in mice of various inbred strains; development in relation to host sex and age and duration of infection; development from different pools of eggs

Growth, Parasite
Fioravanti, C. F.; and MacInnis, A. J., 1976, J. Parasitol., v. 62 (5), 749-755
Hymenolepis diminuta in vitro, farnesol and other prenoid substances had no growth-promoting effect and were toxic at higher concentrations

Growth, Parasite
Fletcher, K. A.; Canning, M. V.; and Theakston, R. D. G., 1977, Ann. Trop. Med. and Parasitol., v. 71 (2), 125-130
Plasmodium berghei-infected mice, rats and hamsters (all exper.) and P. knowlesi-infected monkeys (exper.), absence of glucose-6-phosphate activity of "parasite origin" and presence of 6-phosphogluconate dehydrogenases of "parasite origin" in erythrocytes of infected animals, possible relationships in erythrocyte metabolism and parasite growth

Growth, Parasite
Foreyt, W. J.; and Todd, A. C., 1976, J. Parasitol., v. 62 (1), 26-32
Fascioloides magna, comparative development and pathology in white-tailed deer, cattle, and sheep: growth rate, percentage recovery, character of infection

Growth, Parasite
Foris, G., 1976, Acta Microbiol. Acad. Scient. Hungar., v. 23 (3), 271-276
Trypanosoma equiperdum in endotoxin-treated and non-treated rats, relationships of total dose of serially administered endotoxin, number of treatments, body weight of rats and germ count of inoculum to length of lag phase of trypanosomal growth

Growth, Parasite
Gaur, S. N. S.; and Dutt, S. C., 1975, Indian Vet. J., v. 52 (6), 474-477
mice fed with irradiated and non-irradiated Ascaris suum eggs, reduced size, motility, and longevity of resulting migrating A. suum juveniles recovered from liver and lungs

Growth, Parasite
Ghandour, A. M.; and Webbe, G., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 10 [Demonstration]
Schistosoma mansoni, growth and development inhibited when irradiated with ultra-violet light

Growth, Parasite
Giannini, M. S., 1974, J. Protozool., v. 21 (4), 521-527
Leishmania donovani, promastigote-initiated infection in Mesocricetus auratus, infectivity in relation to host age at time of inoculation, growth phase of promastigotes at harvest, and frequency of subculture

Growth, Parasite
Gillig, C. J. III, 1977, J. Protozool., v. 24 (3), 406-411
Leishmania donovani, adaptation to in vitro cultivation at 37 C

Growth, Parasite
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Hypoderma lineatum, effects of host diet and immunosuppressant treatments (rabbit anti-mouse lymphocyte serum and whole-body irradiation) on survival and growth of larvae and on susceptibility of Mus musculus to infestation

Growth, Parasite
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Leptomonas sp., inhibition by several standard antiprotozoal drugs of growth and oxygen uptake of cells and particulate preparations, possible use as model organism for screening antitrypanosomatid agents as compared to Crithidia fasciculata

Growth, Parasite
Hidalgo, R. J., 1975, Am. J. Vet. Research, v. 36 (5), 635-640
Anaplasma marginale, propagation in bovine lymph node cell culture, direct fluorescent antibody technique used for detection of organism in culture and combined with standard microscopic count procedure to obtain numerical estimates of organism as criteria of growth, effect of oxytetracycline HCl

Growth, Parasite
Hommel, M.; Peters, W.; and Chance, M. L., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 9-10 [Demonstration]
Leishmania braziliensis braziliensis, growth and development in immunosuppressed hamsters and nude mice, pathology

Growth, Parasite
Howard, R. J., 1976, Parasitology, v. 72 (3), 317-323
Hymenolepis microstoma, mice infected with 1, 5, or 10 cysticercoids, infections terminated after 5, 16, or 30 days, challenge with 6 cysticercoids, growth of worms in secondary infections decreased as either intensity or duration of primary infections increased

Growth, Parasite
Huehner, M. K.; and Etges, F. G., 1977, J. Parasitol., v. 63 (4), 669-674
Aspidogaster conchicola, life cycle and development in Viviparus malleatus and Goniobasis livescens, growth phases and allometry

Growth, Parasite
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Crithidia sp., inhibition of overall growth and macromolecular synthesis by juvenile hormone, inhibition of RNA synthesis of particular interest, implications for mode of action in insect systems

Growth, Parasite
James, C.; and Webbe, G., 1975, J. Helminth., v. 49 (3), 191-197
Schistosoma haematobium in hamsters, comparison of South African and Sudanese strains: host mortality, recovery of adult worms, growth of worms, uterine egg counts, distribution of eggs in hamster tissues

Growth, Parasite
Kemp, D. H.; et al., 1976, Parasitology, v. 73 (1), 123-136
Boophilus microplus on British breed cattle with different resistance levels, growth and attachment behaviour of larvae, desiccation of larvae in environment of host skin, movement to and accumulation in favored sites

Growth, Parasite
Kershaw, W. E.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 11-12 [Demonstration]
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Growth, Parasite
Khan, Z. I.; and De Rycke, P. H., 1975, Biol. Jaarb., Gent, v. 43, 151-172
Hymenolepis microstoma, in vitro cultivation, artificially excysted cysticercoids to egg producing adults, role of serum for strobilization and gametogenesis (results suggest success depends upon presence of certain heme compounds in the serum)

Growth, Parasite
Khan, Z. I.; and De Rycke, P. H., 1976, Ztschr. Parasitenk., v. 49 (3), 253-261
Hymenolepis microstoma in vitro, effect of haemoglobin, hemin and bilirubin on strobilization and maturation

Growth, Parasite
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Herpetomonas megaseliae, cultures grown with hydroxyurea (inhibitor of DNA synthesis), differences in population number, kinetoplast number and position, and pellicular morphology, net effects of hydroxyurea are enhanced differentiation and abortive cytokinesis

Growth, Parasite
Komuniecki, R.; and Roberts, L. S., 1975, J. Parasitol., v. 61 (3), 427-433
Hymenolepis diminuta, roughage and carbohydrate content of host diet for optimal parasite growth and development

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Mesocestoides corti tetrathyridia, growth and asexual reproduction in vivo and in vitro as affected by certain lipid compounds (Williams and Law mixture, farnesol, ecdysterone, cholesterol, stigmasterol, lipid extracts from M. corti and Hymenolepis diminuta)

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Kulda, J.; and Budilova, M., 1977, J. Protozool., v. 24 (4), 51A [Abstract]
Tritrichomonas foetus, multiplication of parasites in mouse peritoneal cavity stimulated by ferric ammonium citrate, indicates importance of trichomonad iron metabolism in host-parasite relationships

Growth, Parasite
Kurtti, T. J.; and Brooks, M. A., 1977, J. Invert. Path., v. 29 (2), 126-132
Microsporida [sp.], growth, development, and fumagillin sensitivity in vitro in moth (Heliothis zea) cell culture,
Malacosoma disstria: northern Minnesota

Growth, Parasite
Lara, S. I. M.; de Oliveira, C. M. B.; and Porto, J. C. A., 1976, Arq. Escola Vet. Univ. Fed. Minas Gerais, v. 28 (1), 93-99
Haemonchus sp., sheep (exper.), cobalt sulfate diet supplement, increased production and size of eggs, lower number of worms in autopsy

Growth, Parasite
Lawson, R.; and Draskau, T., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 289 [Demonstration]
Schistosoma mansoni schistosomula, cine photography used to investigate changes in body shape and in the pattern of activity during migration within the host, worm growth begins when worms reach the host liver

Growth, Parasite
Lee, J. C., 1972, Nettai Igaku (Trop. Med.), v. 14 (2), 97-110
Trichomonas vaginalis, in vitro growth inhibiting effects of 8 antitrichomonal drugs; therapeutic effects of trichomycin, piperanitrozole, metronidazole and nimorazole against abscess formation in mice (exper.)

Growth, Parasite
Leon, W.; Brun, R.; and Krassner, S. M., 1977, J. Protozool., v. 24 (3), 444-448
Leishmania tarentolae, effect of Berenil on growth, on buoyant density of kinetoplast DNA, on dyskinetoplasty at ultrastructural level, and on cell respiration, results suggest that Berenil adversely affects mitochondrial respiratory activity

Growth, Parasite
Long, P. L., 1973, Folia Vet. Latina, v. 3 (1), 89-109
Eimeria tenella, Eimeria mivati, growth in developing chick embryos and cultured cells, incubation temperature and route of inoculation, testing of anticoccidials, serial passage in embryos, review

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Moniezia expansa, growth and development of strobila

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McLaughlin, J. D., 1975, Canad. J. Zool., v. 53 (12), 1892-1897
Hymenolepis hopkinsi, establishment, growth, and development in Anas platyrhynchos (caeca) (exper.)

Growth, Parasite
McVicar, A. H., 1977, Internat. J. Parasitol., v. 7 (6), 439-442
Acanthobothrium quadripartitum, bothridial hooks, growth characteristics throughout development, significance of measurements of different hook components in diagnosis of Acanthobothrium species

Growth, Parasite
Marr, J. L., 1976, Proc. Indiana Acad. Sc., v. 85, 1975, 411-417
Tritrichomonas suis, in vitro culture in chick chorio-allantoic fluid resulted in lower numbers and smaller individuals than in commercial C.P.L.M. medium; difference perhaps based on different carbohydrate utilization

Growth, Parasite
Mikacic, D., 1973, Acta Parasitol. Iugoslavica, v. 4 (1), 25-26
Fasciola hepatica, growth in rabbits (exper.), size not reliable criterion for estimating age without large number of specimens

Growth, Parasite
Mills, C. A., 1976, Parasitology, v. 73 (2), vi-vii [Abstract]
Transversotrema patialense, survival and fecundity on Brachydanio rerio (exper.), age-dependent but not density-dependent, temperature optimum at 23°C., survival reduced on small hosts, growth in size of adult fluke

Growth, Parasite
Motomura, I.; and Jo, K., 1970, Nettai Igaku (Trop. Med.), v. 12 (2), 41-50
Toxoplasma gondii, cyst distribution and development within brain of infected mice, statistics of numbers of toxoplasmas within a single brain cyst

Growth, Parasite
Nielsen, M. H., 1976, Acta Path. et Microbiol. Scand., v. 84B (4), 205-216
fine structure of Trichomonas vaginalis cells obtained from exponential phase of growth and from stationary culture, comparative study of endocytotic capacity and surface coats of cells from two types of culture

Growth, Parasite
Novak, M., 1976, Experientia, v. 32 (12), 1529-1530
Taenia crassiceps, gonadectomy of mouse hosts inhibited asexual reproduction of cysticerci considerably and increased the average size of the larvae

Growth, Parasite
O'Daly, J. A., 1976, J. Protozool., v. 23 (4), 577-583
Trypanosoma cruzi, division and epimastigote-to-trypomastigote transformation in vitro, growth-stimulating capacities of fetal calf serum fractions and proteins

Growth, Parasite
Patnaik, B., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 457-466
Stephanofilaria assamensis, life cycle completed by experimental reproduction of typical humpsore lesion on a calf using laboratory-raised Musca conducens as vectors, parasite growth slow

Growth, Parasite
Phillips, R. S.; Rahman, A. K.; and Wilson, R. J. M., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 432 [Demonstration]
Plasmodium falciparum, in vitro penetration of human red cells

Growth, Parasite
Phillips, R. S.; Trigg, P. I.; and Gutteridge, W. E., 1973, Isotopes and Radiation Parasitol. III, 185-186
Plasmodium knowlesi-infected red cells exposed to gamma irradiation and incubated in in vitro culture, growth, rate of incorporation of radiotracers into parasite DNA, RNA, and protein, brief note

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Angiostrongylus cantonensis, larval growth and development in Lymnaea palustris

Growth, Parasite
Raibaut, A.; Ben Hassine, O. K.; and Prunus, G., [1976], Bull. Soc. Zool. France, v. 100 (4), 1975, 427-437
Ergasilus nanus, Mugil cephalus (gills), infestation dependent upon water temperature and salinity, parasite number increases with host size: lake Ischkeul, Tunisia

Growth, Parasite
Rau, M. E.; and Tanner, C. E., 1976, Internat. J. Parasitol., v. 6 (2), 151-153
Echinococcus multilocularis, radical resection of large established subcutaneous cysts results in 20-fold increase in weight of intrathoracic metastases in cotton rats; animals whose subcutaneous cysts had been surgically removed were, however, still fully resistant to subsequent intraperitoneal challenging inoculation with protoscolices

Growth, Parasite
Rockett, C. L., 1975, J. Insect Physiol., v. 21 (12), 1939-1944
Ornithodorus tartakovskyi, limb regeneration and apolysis process studies by amputations at various stages; coagulation of haemolymph

Growth, Parasite
Roitman, I., 1970, Rev. Microbiol., Sao Paulo, v. 1 (2), 93-94
Crithidia fasciculata, growth factors in culture medium above 33°C, lipid and osmotic requirements

Growth, Parasite
Sahba, G. H.; and Malek, E. A., 1977, Am. J. Trop. Med. and Hyg., v. 26 (2), 331-333
Schistosoma haematobium, comparison of extent of development and size of parasites in unisexual and bisexual infections, frequency of single sex male and female infections and level of maturity reached by female in absence of male

Growth, Parasite
Schuster, F. L.; and Rechthand, E., 1975, Antimicrob. Agents and Chemotherapy, v. 8 (5), 591-605
Naegleria fowleri, N. gruberi, amphotericin B, in vitro effects on growth, viability, and ultrastructure

Growth, Parasite
Shaw, J. R.; Marshall, I.; and Erasmus, D. A., 1977, Exper. Parasitol., v. 42 (1), 14-20
Schistosoma mansoni, in vitro stimulation by extracts of male worms of vitelline cell development and increase in length of female worms, data strongly suggest that development of female reproductive system is dependent to some extent on chemical factors present in the male

Growth, Parasite
Sheets, E. G.; and Krassner, S. M., 1974, J. Protozool., v. 21 (5), 742-744
Leishmania tarentolae in chemically defined medium containing taurine as sole sulfur source, chromate, selenate, and vanadate accelerated growth and enhanced incorporation of [^{35}S] taurine label into different cell fractions

Growth, Parasite
Shirley, M. W.; Millard, B. J.; and Long, P. L., 1977, Parasitology, v. 75 (2), 165-176
Eimeria acervulina var. diminuta and Eimeria acervulina var. mivati compared, growth in vitro, response to anticoccidial drugs, electrophoretic mobility profiles of four enzymes

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Shungu, D. M.; and Arnold, J. D., 1971, Tr. Roy. Soc. Trop. Med. and Hyg., v. 65 (5), 684-685 [Letter]
Plasmodium vinckei chabaudi adapted to rats (exper.), synchronization of growth and reproduction by photoperiodic rhythm

Growth, Parasite
Simon, M. W.; Rusnak, J. M.; and Mukkada, A. J., 1976, Exper. Parasitol., v. 39 (1), 51-58
Leishmania tropica promastigotes in vitro, sensitivity to toxic effects of bilirubin (loss of viability, decreased sugar and amino acid uptake, increased efflux of intracellular sugars, hexokinase activity, lowered respiration), results suggest irreversible damage to cell membrane, possible culture loss if bilirubin concentration of hemoglobin solution used is too high

Growth, Parasite
Singh, K.; and Dutta, G. P., 1977, Indian J. Med. Research, v. 65 (1), 51-57
Entamoeba histolytica, axenic cultures, effects on parasite growth of storage up to 21 days, different media constituents and dilution of medium

Growth, Parasite
Singh, M.; et al., 1976, J. Helminth., v. 50 (2), 103-110
Breinlia booliati, course of development in Rattus sabanus and in laboratory albino rat (both exper.), measurements of developing stages

Growth, Parasite
Smales, L. R., 1977, Internat. J. Parasitol., v. 7 (6), 449-456
Labiostrongylus eugenii, life history: embryogenesis, larval development within egg, hatching process, second and third stage larval morphology and development, optimal temperatures

Growth, Parasite
Smyth, J. D., 1977, Trop. and Geogr. Med., v. 29 (3), 314 [Abstract]
Echinococcus granulosus, E. multilocularis, variations in growth of protoscoleces in in vitro cultures

Growth, Parasite
Steiger, R. F.; and Meshnick, S. R., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 441-443
Leishmania donovani, L. braziliensis, amino-acid and glucose utilization by parasites

Growth, Parasite
Thompson, R. C. A., 1977, Internat. J. Parasitol., v. 7 (4), 281-285
Echinococcus granulosus, comparison of British horse and sheep strains in dogs, growth, segmentation, and maturation, emphasizes existence of physiological differences between the two strains

Growth, Parasite
Tomasovicova, O.; and Spaldonova, R., 1974, Biologia, Bratislava, s. B, Zool. (1), v. 29 (2), 159-162
Trichinella spiralis, intestinal phase in mice having experimental diabetes, longer worms than in normal mice but development not affected

Growth, Parasite
Tronchin, G.; and Schrevel, J., 1977, J. Protozool., v. 24 (1), 67-82
Gregarina blaberae, development of sporozoite, growth and development of trophozoite, ultrastructural study

Growth, Parasite
Ucros, H.; Leon, W.; and Krassner, S. M., 1977, Exper. Parasitol., v. 41 (2), 410-414
Trypanosoma cruzi, Y and Costa Rica strains compared, effect of ethidium bromide on growth, dyskinetoplasty, and respiration

Growth, Parasite
Varma, T. K.; and Rao, B. V., 1974, Indian Vet. J., v. 51 (1), 47-53
Taenia hydatigena, cystic and strobilar stages exposed to various doses of gamma irradiation, growth and development, preliminary immunization experiments, pups, lambs

Growth, Parasite
Voge, M.; et al., 1976, J. Parasitol., v. 62 (6), 951-954
Hymenolepis diminuta, growth of cysticercoids in vitro, development in presence of L-cysteine twice as rapid under 100% nitrogen as under air, no growth obtained with several other reducing agents, limited growth with ascorbic acid and dithiothreitol, homocysteine or coenzyme A as effective as L-cysteine in stimulating complete development

Growth, Parasite
Weidner, E., 1975, Ztschr. Parasitenk., v. 47 (1), 1-9
Encephalitozoon cuniculi, parasitophorous vacuoles within host peritoneal macrophages, growth by pinocytotic mechanism, movement of substances across vacuole boundary, absence of lysosomal fusion, electron microscopy

Growth, Parasite
Wilson, P. A. G., 1976, J. Zool., London, v. 179 (1), 135-141
Trichostrongylus retortaeformis growth patterns, moulting cycle, population growth profile

Growth, Parasite
Yoeli, M., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 302-305
Plasmodium berghei NK65 strain, slow maturing primary exo-erythrocytic schizonts in laboratory bred Thamnomys surdaster, differentiation of this "slowed down" growth rhythm from that of "chronic" forms of P. b. yoelii

Growth, Parasite
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Toxoplasma gondii invasion of sarcoma mouse ascites tumor, increased ascites caused decreased infection

Guadeloupe
Golvan, Y. J.; et al., 1977, Ann. Parasitol., v. 52 (3), 259-275
Schistosoma mansoni, factors involved in transmission, irrigation canals appear to be most dangerous source of contamination for human population: Guadeloupe

Guadeloupe
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intestinal parasites of natives of Antilles now living in France, survey of 500 persons (Strongyloides stercoralis; Necator americanus; Schistosoma mansoni; Trichocephalus; Ascaris; Trichostrongylus; Taenia saginata; Hymenolepis nana; Fasciola hepatica; Entamoeba histolytica (minuta); E. coli; E. hartmanni; Dientamoeba fragilis; Endolimax nana; Pseudolimax; Lamblia; Chilomastix; Enteromonas)

Guatemala
Fazen, L. E.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (1), 52-57
epidemiologic study of human microfilaruria in Guatemala, its frequency of occurrence and association with microfilariae in skin and its relationship to presence of subcutaneous nodules

Guiana, French. See French Guiana.

Gulf of Mexico
Johnson, S. K.; and Rogers, W. A., 1973, Bull. (445), Alabama Agric. Exper. Station, 74 pp.
Ergasilus, review of taxonomy, distribution: Gulf of Mexico drainage basins

Guyana
Lobel, H. O.; et al., 1976, J. Trop. Med. and Hyg., v. 79 (12), 275-284
human malaria, seroepidemiologic survey using the indirect haemagglutination test to determine success of eradication program: Guyana

Hair. See Skin.

Haiti
Miller, M. J.; Ratard, R. C.; and McNeeley, D. F., 1976, J. Parasitol., v. 62 (5), 845-847
Wuchereria bancrofti, human, nocturnal microfilarial periodicity; presence of Mansonella ozzardi also reported: Haiti

Haiti
Titus, H., 1974, Medecine Afrique Noire, v. 21 (10), 685-692
Ancylostoma duodenale, human, epidemiologic and clinical aspects, case reports: Haiti

Hatching
Anya, A. O., 1976, Advances Parasitol., v. 14, 267-351
physiological aspects of reproduction in nematodes, extensive review: range of reproductive phenomena; reproductive system; male and female gametes; physiology of fertilization; development; sex differentiation; nutrition and other factors in egg production; behavioural aspects of reproduction; reproductive phenomena and parasitism

Hatching
Barrett, J., 1976, Parasitology, v. 73 (1), 109-121
Ascaris lumbricoides eggs, studies on mechanism of induction of permeability, "no firm conclusions can be drawn"

Hatching
Bello, T. R.; Gaunt, S. D.; and Torbert, B. J., 1977, J. Equine Med. and Surg., v. 1 (4), 126-130
Gasterophilus intestinalis, G. nasalis, horses, artificial hatching of bot eggs with warm water as environmental prophylaxis, critical evaluation, seasonal patterns of oviposition; trichlorfon + piperazine + phenothiazine, good results

Hatching
Bird, A. F., 1976, Organ. Nematodes (Croll), 107-137
skeletal structures in nematodes (copulatory spicules, cuticle, egg shell): structure, chemical composition, ontogeny, function, review

Hatching
Bogitsh, B. J.; and Carter, C. E., 1975, J. Parasitol., v. 61 (6), 1031-1040
Schistosoma mansoni, localization of soluble egg antigen in eggshell-enclosed miracidium, possible functions

Hatching
Burden, D. J.; and Hammet, N. C., 1976, Vet. Parasitol., v. 2 (3), 307-311
Trichuris suis, comparison of infectivity of ova embryonated by 4 different methods, found that differences in method of culture profoundly affected ability of fully developed eggs to hatch and parasites to become established in pigs, ova of highest infectivity produced after culture in moist vermiculite

Hatching
Cable, R. M., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 1-18
digenetic trematodes, behaviour, review (reproduction, hatching, penetration, response to taxic and host stimulation; cercarial emergence, swimming)

Hatching
Canning, E. U.; and Madhavi, R., 1977, Parasitology, v. 75 (3), 293-300
Unikaryon allocreadii and Nosema gigantica spp. nov. hyperparasitizing Allocreadium fasciatusi in Aplocheilus melastigma, prevalence, hatching of spores, pathogenicity, possible mode of transmission: India

Hatching
Coman, B. J.; and Rickard, M. D., 1975, Ztschr. Parasitenk., v. 47 (4), 237-248
Taenia spp., dogs, location in intestine, size, fecundity, egg hatching within intestine; infectivity of T. pisiformis eggs to rabbits (effects of canine intestinal secretions, intestinal passage and storage in feces); repeated T. ovis egg infection of puppies having no effect on subsequent cysticercus infection

Hatching
Coman, B. J.; and Rickard, M. D., 1977, Internat. J. Parasitol., v. 7 (1), 15-20
Taenia pisiformis eggs, ageing process, 4 stages with varying ability to hatch and to infect and develop in rabbits, comparison of in vitro and in vivo estimates of viability, failure of 'senescent' eggs to produce immunity to challenge infection

Hatching
Croll, N. A., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 31-52
larval nematodes, behavior, review (nematode senses, locomotion, movement patterns as tracked on agar, mechanisms of orientation)

Hatching
Dick, J. W.; Leland, S. E., jr.; and Hansen, M. F., 1973, Tr. Am. Micr. Soc., v. 92 (2), 225-230
Ascaridia galli, 4 hatching techniques for embryonated eggs compared, subsequent cultivation in medium Ae and supplemented medium Ac

Hatching
Enigk, K.; and Dey-Hazra, A., 1976, Berl. u. Munchen. Tierarztl. Wchnschr., v. 89 (14), 276-281
Ascaris suum eggs, protein layer, surface structure and function

Hatching
Fujisaki, K.; Kitaoka, S.; and Morii, T., 1976, National Inst. Animal Health Quart., v. 16 (3), 122-128
comparative observations, feeding, molting, oviposition and hatching, ixodid ticks, laboratory cultural conditions

Hatching
Gemmell, M. A., 1977, Exper. Parasitol., v. 41 (2), 314-328
Taenia spp., Echinococcus granulosus, eggs, hatching characteristics, survival, infectivity of embryos, influence of various factors (different worms, different segments of same worm, moisture, temperature, length of storage, washing), epidemiological implications in regulation of tapeworm populations

Hatching
van der Gulden, W. J. I.; and van Aspert-van Erp, A. J. M., 1976, Exper. Parasitol., v. 39 (1), 40-44
Syphacia muris, egg hatching: effects of 22°C, 37°C, and cysteine on larval motility within closed egg and on subsequent hatching; effects of temperature, cysteine, and trypsin on permeability of water through eggshell; effect of water on opening of operculum

Hatching
van der Gulden, W. J. I.; and van Aspert-van Erp, A. J. M., 1976, Exper. Parasitol., v. 39 (1), 45-50
Syphacia muris, effect of external stimuli on egg hatching (enzymes of intestinal tract, temperature, pH, pCO_2, redox potential), results indicate hatching mechanism of oxyurids identical to that of various nematodes which hatch in intestinal tract but dependent on environment to appreciably lesser extent

Hatching
Hanna, R. E. B.; Baalawy, S. S.; and Jura, W., 1975, Research Vet. Sc., v. 19 (1), 96-97
Fasciola gigantica, development of in vitro techniques to study the invasive process, conditions necessary for excystment and penetration of mouse gut, maintenance of larvae on spleen cell monolayers

Hatching
Hinck, L. W.; and Ivey, M. H., 1976, J. Parasitol., v. 62 (5), 771-774
Ascaris suum, proteinase activity in eggs, hatching fluid, and excretions-secretions of hatched larvae

Hatching
Impand, P., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 288 [Demonstration]
E[chinostoma] malayanum eggs, hatching ability decreased by lowered temperatures

Hatching
Kassim, O.; and Gilbertson, D. E., 1976, J. Parasitol., v. 62 (5), 715-720
Schistosoma mansoni eggs, hatching, role of light, ionic concentrations of medium, and osmotic pressure; effect of ions on miracidial motility; histochemical nature of egg vacuoles and their possible role in hatching process

Hatching
Kearn, G. C.; and Macdonald, S., 1976, Internat. J. Parasitol., v. 6 (6), 457-466
Entobdella soleae, Acanthocotyle lobianchi, chemical nature of hatching factors

Hatching
Klucas, C. A.; and Rhodes, M. B., 1976, Proc. Nebraska Acad. Sc., 20
Ascaris suum, hatching fluid, immunization of pigs

Hatching
Kumar, P.; and Somadder, K., 1976, Indian J. Entom., v. 36 (4), 1974, 355-358
Haematopinus suis, Pediculus humanus, and Linognathus vituli, hatching organ, description and mechanism

Hatching
Kumar, V.; and Mortelmans, J., 1974, Riv. Parassitol., Roma, v. 35 (2), 149-151
Metastrongylus apri, occurrence of 2 distinct morphological forms of embryonated eggs, differential hatching behavior

Hatching
Laufer, W. E., 1970, Med. Proc., Johannesburg, v. 16 (6), 103-107
decreased hatching of Schistosoma haematobium ova in chlorinated water, comparison trials with acriflavine and lucanthone solutions

Hatching
Le Jambre, L. F., 1976, Vet. Parasitol., v. 2 (4), Dec., 385-391
Haemonchus contortus, Ostertagia circumcincta, technique for assay of thiabendazole resistance by hatching eggs in solutions of thiabendazole

Hatching
Le Jambre, L. F.; and Whitlock, J. H., 1976, Parasitology, v. 73 (2), 223-238
Haemonchus contortus cayugensis (New York State), Haemonchus contortus contortus (Ohio), vulvar phenotypes and hatch rate of eggs over a range of temperatures

Hatching
Long, R. A.; Ellis, W. L.; and Taylor, G. R., 1976, Texas J. Sc., v. 27 (1), 163-172
Nematospiroides dubius, response to deep space environment of Apollo 16 manned spaceflight, reduced hatching rate of eggs, unchanged infectivity to mice

Hatching
Macdonald, S., 1977, Internat. J. Parasitol., v. 7 (2), 113-118
Diclidophora merlangi, D. luscae, and D. denticulata compared, structure, hatching, and development

Hatching
Mitterer, K.-E., 1975, Ztschr. Parasitenk., v. 47 (1), 35-43
Fasciola hepatica, egg hatching, CO_2 concentration, pH, light and darkness, temperature

Hatching
Mitterer, K.-E., 1975, Ztschr. Parasitenk., v. 48 (1), 35-45
Dicrocoelium dendriticum miracidia, hatching with formic acid, caproic acid and intestinal juice of Helix pomatia, absence of O_2, presence of bacteria; indirect dependence on pH; permeabilities and osmotic pressure; hypothesis of hatching mechanism: granular gland activation releases enzyme, polysaccharide digested to oligosaccharide, rising osmotic pressure bursts operculum

Hatching
Murua, R., 1975, J. Helminth., v. 49 (4), 293-296
Nematospiroides dubius larvae, hatching time, rate of development to third stage, optimum hatching and development temperature

Hatching
Parkin, J. T., 1976, Parasitology, v. 73 (3), 343-354
Nematodirus battus, egg development and hatching, effect of variations in humidity and osmotic pressure

Hatching
Paterson, H., 1977, Parasitology, v. 75 (2), xx [Abstract]
Moniezia expansa, M. benedeni, attempts to obtain hatched and sterile oncospheres for culture, hatching differences between species, large numbers of bacteria identified in eggs, elimination with chlorhexidine derivative for sterile oncospheres

Hatching
Perry, R. N., 1977, Parasitology, v. 74 (2), 133-137
Nematodirus battus larvae, reassessment of variations in water content during hatching process

Hatching
Rechav, Y.; and von Maltzahn, H. C., 1977, Ann. Entom. Soc. Am., v. 70 (5), 768-770
Boophilus decoloratus, Rhipicephalus evertsi evertsi, water loss from eggs at various temperatures and relative humidities and correlation between weight loss, hatching, and saturation deficits

Hatching
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Ascaris suum embryonated eggs, hatching in orally inoculated pigs, in ligated intestinal segments, and in isolated intestinal loops of pigs, immune status of pig had no effect on hatching

Hatching
Rietschel, G., 1975, Ztschr. Parasitenk., v. 47 (4), 283-297
Oestromyia leporina, hatching, mode of infection of Microtus arvalis, larval development, migration within host, duration of larval stages, perforation of skin; partial immunization against new infection

Hatching
Rogers, W. P.; and Brooks, F., 1977, Internat. J. Parasitol., v. 7 (1), 61-65
Haemonchus contortus, egg hatching, presence of leucine aminopeptidase and lipase in hatching fluid, inhibition of hatching by 1,10-phenanthroline reversed by Zn^{2+}

Hatching
Smales, L. R., 1977, Internat. J. Parasitol., v. 7 (6), 449-456
Labiostrongylus eugenii, life history: embryogenesis, larval development within egg, hatching process, second and third stage larval morphology and development, optimal temperatures

Hatching
Sukhapesna, V.; et al., 1975, J. Med. Entom., v. 12 (3), 391-392
Gasterophilus intestinalis, temperature, embryonic development and egg hatchability; longer viability of eggs at lower temperatures

Hatching
Upatham, E. S., 1972, Southeast Asian J. Trop. Med. and Pub. Health, v. 3 (4), 600-604
Schistosoma mansoni, egg-infested human feces deposited in natural and standing and running water habitats containing Biomphalaria glabrata (exper.), tests of how soon and for how long eggs would hatch showed that hatchability of eggs was high but only a few miracidia successfully infected snails

Hatching
Upatham, E. S.; Sturrock, R. F.; and Cook, J. A., 1976, Parasitology, v. 73 (3), 253-264
Schistosoma mansoni, human, simple standardized hatching test used to estimate egg hatching rate in relation to host age, sex, and intensity of infection, implications for epidemiology and for use in assessing drug efficacy: St. Lucia, West Indies

Hawaii. See United States, Hawaii.

Heart. [See also Cardiovascular system]

Heart
Akoun, G.; et al., 1972, Nouv. Presse Med., v. 1 (16), 1100 [Letter]
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Heart
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cardiac sinus node disfunction and its clinical management in patients affected with chronic Chagasic cardiopathology

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human amoebiasis complicated by amoebic pericarditis, diagnosis by radioisotopes, case report: Louisiana (Vietnam veteran)

Heart
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trichinosis, acute fatal infection in woman who at autopsy was found to have extensive ventricular endocardial damage with superimposed thrombosis, was known to have eaten raw meat frequently, clinical and morphologic report, review of other autopsies for other trichinosis-associated heart involvements

Heart
Anselmi, A.; and Moleiro, F., 1972, Arch. Inst. Cardiol. Mexico, v. 42 (4), 622-628
Trypanosoma cruzi, humans, clinical cardiopathology

Heart
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survey of patients with cardiomyopathies established Toxoplasma gondii as frequent etiologic agent with mixed infection of toxoplasmosis and Chagas disease discovered in one person

Heart
Badr, M. H.; and Abdel-Aziz, O., 1976, Egypt. J. Bilharz., v. 3 (1), 79-88
schistosomiasis, assessment of left ventricular cardiac function in infected humans, especially those persons with schistosomal cor pulmonale

Heart
Atias, A.; et al., 1966, Bol. Chileno Parasitol., v. 21 (4), 124-127
Echinococcus granulosus, intracardiac rupture of hydatid cyst in young child, associated lower arterial hydatid emboli resulting in arterial insufficiency and gangrene of leg, clinical case report: Santiago, Chile

Heart
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human Chagas disease, evaluation of effect of digoxin on ventricular automaticity in Chagas cardiomyopathy

Heart
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necropsy findings of 16 cases of human Trypanosoma cruzi with special emphasis on cardiac lesions

Heart
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Trypanosoma cruzi, cardiac insufficiency in human myocarditis, evaluation of accompanying arrhythmias and other resulting pathology

Heart
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case report of man with chronic myocardiopathy of Chagas disease resulting in ventricular aneurysm with severe ventricular tachycardia, successful surgical repair

Heart
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sheep and goats from slaughterhouses, lesions in pericardium and heart, findings include Sarcosporidia, Multiceps, hydatid cyst, Cysticercus tenuicollis: India

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human echinococcosis, cysts of heart and spleen secondary to primary cysts of liver, case reports, surgical management: Italy

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Trypanosoma cruzi, immunopathologic and morphologic studies of chagasic cardiopathy, deposits of immunoglobulins found at plasma membrane of working myocardial and endothelial cells, cytologic location of bound gammaglobulin coincident with specificity of circulating antibodies; findings suggest the possibility that lymphocyte-mediated immune response against heart tissue may participate in some of pathogenetic mechanisms of chronic cardiopathy

Heart
Dallochio, M.; et al., 1974, Nouv. Presse Med., v. 3 (16), 1034 [Letter]
distomiasis in man with resulting endomyocardial fibrosis, history of eating water cress, clinical case report: France

Heart
Desowitz, R. S.; Barnwell, J. W., 1976, Ann. Trop. Med. and Parasitol., v. 70 (4), 475-476
Plasmodium berghei very young forms, deep vascular sequestration in heart and kidney of white rat equal to or greater than that in bone marrow, lung, liver, and spleen; hitherto unrecorded site of schizont concentration in lung

Heart
Diaz M., G. S.; et al., 1971, Neumol. y Cirug. Torax, v. 32 (6), 393-403
human hepatic amoebic abscess with resulting amoebic pericarditis, need for early diagnosis stressed: Mexico

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human cardiac complications of tropical parasitoses, pathologic findings

Heart
Duncanson, F. P.; et al., 1977, J. Trop. Med. and Hyg., v. 80 (3), 52-58
mice (exper.) with acute Chagasic myocarditis showed decreased blood trypanosome counts and decreased cardic inflammation and necrosis when administered sodium salicylate at onset of parasitemia

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Echinococcus cysticus in man, case report of infection affecting brain and heart, need for diagnostic awareness as a result of international migration movements: Italian native living in Germany

Heart
Ferencz, A.; et al., 1972, Orvosi Hetilap, v. 113 (52), 3194-3196, 3199
human trichinosis, electrocardiographic changes during infection

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Toxocara canis, infected white mice, electrocardiographic changes related to microascaridic pneumonia and localization of larva in myocardium, verified histologically

Heart
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human cardiopathies caused by protozoan or helminth parasites, clinical aspects, review

Heart
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Toxoplasma gondii, myocarditis in 6-year-old child of probable toxoplasmic origin, clinical case report: Sao Paulo, Brazil

Heart
Hernandez-Pieretti, O., 1977, Postgrad. Med. J., London (623), v. 53, 533-536
human Chagas disease, echocardiographic findings in persons with chronic Chagas cardiomyopathy compared with other types of cardiomyopathy, use in diagnosis and evaluation of pathology

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Huebsch, R. M.; Sulzer, A. J.; and Kagan, I. G., 1976, J. Parasitol., v. 62 (4), 523-527
evaluation of sensitivity and specificity of indirect immunofluorescence test for autoimmune-type EVI antibodies in sera of patients with Chagas disease (Trypanosoma cruzi), leishmaniasis (Leishmania brasiliensis, L. donovani), malaria, and several other nonparasitic diseases; second type of staining of heart tissue also reported for patients with leishmaniasis and malaria but not Chagas' disease

Heart
Inglessis, G., 1973, Arch. Inst. Cardiol. Mexico, v. 43 (1), 87-101
Necator [americanus] in children, evidence of cardiac pathology associated with parasitic anemia, reversal of symptoms when anemia treated: Venezuela

Heart
Ivoghli, B., 1977, J. Am. Vet. Med. Ass., v. 170 (8), 834
Spirocerca lupi, dog, fatal aortic aneurysm and rupture: Iran

Heart
Jackson, R. F.; et al., 1977, J. Am. Vet. Med. Ass., v. 171 (10), 1065-1069
Dirofilaria immitis, dogs (heart), caval syndrome, surgical treatment

Heart
Jones, I. G.; Lowenthal, M. N.; and Buyst, H., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 388-395
Trypanosoma brucei rhodesiense, electrocardiographic abnormalities in infected humans

Heart
Machado, A.B.M.; Machado, C.R.S.; and Gomes, C. B., 1975, Experientia, v. 31 (10), 1202-1203
Trypanosoma cruzi, rats, experimental acute myocarditis, depletion of heart norepinephrine indicates massive involvement of cardiac postganglionic sympathetic fibres in acute Chagas disease

Heart
Maldonado Ramirez, H.; et al., 1972, Neumol. y Cirug. Torax, v. 33 (1), 19-24
human amoebic hepatic abscess with associated amoebic pericarditis and tamponage, surgical management of 3 cases: Mexico

Heart
Martin Trenor, A.; et al., 1974, Arch. Inst. Cardiol. Mexico, v. 44 (6), 902-911
Entamoeba histolytica pericarditis in 4-year-old child with resulting diaphragmatic hernia, case report: Mexico

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human malaria and filariasis as possible causes of idiopathic endomyocardial fibrosis in tropical areas

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Mikhail, E. G.; and Milad, M., 1975, Med. J. Cairo Univ., v. 43 (1), 65-71
exper. Trichinella spiralis myocarditis, rats, pathologic findings, occurs during migration phase of infection during first two weeks of disease, generally no permanent damage

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Murray, M.; et al., 1974, Research Vet. Sc., v. 16 (1), 77-84
Trypanosoma brucei, 3 aspects of pathology in rats: progressive alteration in immunological apparatus of lymph nodes, spleen, and thymus, increase in activity of mononuclear phagocytic system; haemopoietic system changes, haemolytic anemia; specific organ damage (heart most markedly affected)

Heart
Nhonoli, A. M.; and Chukwuemeka, A. C., 1971, Med. J. Zambia, v. 5 (3), 95-101
analysis of electrocardiographic changes in patients with severe hookworm anemia before and after treatment with alcopar and tetrachlorethylene: Zambia

Heart
Oropeza Martinez, G.; and Maldonado Campos, F., 1976, Neumol. y Cirug. Torax, v. 37 (2), 103-109
human amoebic pericarditis with resulting cardiac tamponage, clinical case successfully treated surgically: Mexico

Heart
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human malaria, cardiac complications, clinical review

Heart
Poltera, A. A.; Cox, J. N.; and Owor, R., 1975, Pathol. et Microbiol., v. 43 (2-3), 117-119
pancarditis resulting from human African trypanosomiasis, review of pathologic findings, importance as cause of congestive cardiomyopathies, association with chronic meningoencephalitis

Heart
Poltera, A. A.; Cox, J. N.; and Owor, R., 1977, East African Med. J., v. 54 (9), 497-499
human African trypanosomiasis, cardiac valvulitis observed in man with proven infection, possible relationship of trypanosomiasis with cardiomyopathies of unknown origins; Trypanosoma brucei-infected mice (exper.) also had valvulitis with parasites present in the lesions

Heart
Puigbo, J. J.; et al., 1977, Postgrad. Med. J., London (623), v. 53, 527-532
Trypanosoma cruzi, human, cardiac involvement, review of acute latent and chronic phases, diagnosis, pathology

Heart
Rawlings, C. A.; and Lewis, R. E., 1977, Am. J. Vet. Research, v. 38 (11), 1801-1805
Dirofilaria immitis, dogs with spontaneous infection, evaluation of size of right ventricle by thoracic radiography, electrocardiography, and right ventricular free wall weights; based on radiography, only 2 of 15 dogs had right ventricles of normal size

Heart
Rivera Reyes, H. H.; Rodriguez Trapala, A.; and Nieto de Pascual, R. H., 1975, Neumol. y Cirug. Torax, v. 36 (2), 91-98
human amoebic pericarditis, case report, clinical aspects followed by electrocardiograph: Mexico

Heart
Sadeler, B. C., 1973, Medecine Trop., v. 33 (6), 579-594
electrocardiographic changes and heart rate, different stages of experimental Schistosoma mansoni infections in Mesocricetus auratus

Heart
Salazar, E.; et al., 1972, Arch. Inst. Cardiol. Mexico, v. 42 (6), 840-849
human Toxoplasma gondii resulting in clinical and electrocardiographic evidence of cardiomyopathy, case reports

Heart
Sanabria, A.; Croquer, F. J.; and Monsalve, P., 1976, Nouv. Presse. Med., v. 5 (7), 431-432
cardiac arrhythmias resulting from human Chagas disease, clinical trials with carbamazepine to study its anti-arrhythmic action

Heart
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Trypanosoma cruzi, rats, active phagocytosis of parasites by inflammatory macrophages in auricles of heart 11 days after infection, formation of phagosomes and of phagolysosomes and alterations in ingested parasites, role of acid phosphatase in alterations of phagocytized parasites

Heart
Shafii, A., 1977, N. York State J. Med., v. 77 (3), 418-419
Trypanosoma cruzi cardiomyopathy and resulting hemiplegia in immigrant woman from Ecuador, diagnostic confusion with myocardial infarction, clinical case report: New York

Heart
de la Vega, M. T.; Damilano, G.; and Diez, C., 1976, J. Parasitol., v. 62 (1), 129-130
chronic Trypanosoma cruzi-infected humans, positive leukocyte migration inhibition test with heart antigens, results suggest cell-mediated immune response against heart tissue could participate in mechanism of myocardial damage in Chagas' disease

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surgical removal of heartworms by right auriculotomy and puncture of pulmonary artery, dogs

Heat. See Temperature.

Helminthiasis, Human
Dunstone, M., 1976, Med. J. Australia, v. 1 (3), 57-60
statistical review of common infectious diseases in Australia including human helminthiasis and Trichomonas

Helminthiasis, Human
Kelly, J. D., 1974, Internat. J. Zoonoses, v. 1 (1), 1-12
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Helminthiasis, Treatment and control
Niec, R.; Lukovich, R.; and Rosa, W. A. J., 1976, Gac. Vet., Buenos Aires (307), v. 38, 29
gastrointestinal helminthiasis, ovine, cutaneous application of levamisole, brief preliminary report

Helminthology, Manuals and textbooks
Muller, R., 1975, Worms and disease. A manual of medical helminthology, 161 pp., illus., maps.
manual of medical helminthology

Helminths, Parasites of. See Hyperparasitism.

Hemagglutination. See Immunity, Agglutination.

Hematocrit. See Anemia; Blood.

Hematuria. See Urine and urinary tract.

Hemocytes. See Blood; Hemolymph.

Hemoglobin. [See also Anemia; Blood; Pigments]

Hemoglobin
Allonby, E. W.; and Urquhart, G. M., 1976, Research Vet. Sc., v. 20 (2), 212-214
Haemonchus contortus, Merino sheep, possible relationship between haemoglobin type and resistance to haemonchosis: Kenya

Hemoglobin
Areekul, S.; et al., 1972, Southeast Asian J. Trop. Med. and Pub. Health, v. 3 (4), 505-510
P[lasmodium] falciparum in humans, P. knowlesi in Macaca mulatta, serum haptoglobin levels during course of infection and after treatment, fall and rise of haptoglobin levels were in parallel with changes of hemoglobin concentrations, alterations probably due to hemolysis and increased phagocytic activity

Hemoglobin
Atkinson, H. J., 1976, Organ. Nematodes (Croll), 243-272
respiratory physiology of nematodes, review: diffusion of oxygen into nematodes; factors influencing oxygen demand; oxygen availability; respiration in low oxygen regimes; respiratory function of haemoglobin in nematodes

Hemoglobin
Burdin, M. L.; and Boarer, C. D. H., 1972, Vet. Rec. (4894), v. 90 (11), 299-302
Theileria parva, Bos indicus, B. taurus and mixed breeds, glucose 6 phosphate dehydrogenase levels, haemoglobin types, relation to resistance: East Africa

Hemoglobin
Coles, G. C., 1971, Tr. Roy. Soc. Trop. Med. and Hyg., v. 65 (5), 686-687 [Letter]
Schistosoma mansoni-infected Biomphalaria glabrata vector snails (exper.), lower hemoglobin values during infection

Hemoglobin
Denner, M. W., 1976, Proc. Indiana Acad. Sc., v. 85, 1975, 406 [Abstract]
Mermis nigrescens, oviposition may occur in absence or presence of sunlight, presence of haemoglobin may not act as chromotropic stimulus for egg laying

Hemoglobin
Douglas, J.; and Tamanika, M., 1973, Papua N. Guinea Med. J., v. 16 (1), 54-58
human hookworm anemia, positive correlation between degree of hookworm infection and degree of anemia: Sogeri rubber tappers, Papua New Guinea

Hemoglobin
Eckman, J. R.; et al., 1977, J. Lab. and Clin. Med., v. 90 (4), 767-770
Plasmodium berghei in chloroquine-resistant and chloroquine-sensitive mice (exper.), studies confirm that malaria pigment is composed of precipitated host cell hemoglobin and suggest that drug resistance is accompanied by basic alteration in parasite-mediated hemoglobin catabolism

Hemoglobin
Goebel, E.; and Dennig, H. K., 1976, Ztschr. Parasitenk., v. 49 (2), 97-112
Babesia herpailuri from cats before and after treatment with Imidocarb, ultrastructure of intraerythrocytic trophozoites and merozoites; prophylactic effect of drug may be due to low feeding on hemoglobin

Hemoglobin
Graves, I. L.; Adams, W. H.; and Pyakural, S., 1975, Am. J. Vet. Research, v. 36 (6), 843-845
Babesia bigemina, Bos grunniens moved from high to low altitude and challenged with influenza A viruses, hemolytic anemia, possible explanations, death due to Fasciola hepatica and F. gigantica, incidental finding of Bunostomum sp., Trichuris sp., Neoascaris vitulorum, Dictyocaulus sp., coccidia, some reasons for poor survival of yaks at low altitude: Nepal

Hemoglobin
Haider, S. A.; and Siddiqi, A. H., 1976, J. Helminth., v. 50 (4), 259-265
Gastrothylax crumenifer, Srivastavaia indica, Gigantocotyle explanatum from Bubalus bubalis; Fasciolopsis buski, Gastrodiscoides hominis from Sus scrofa; Isoparorchis hypselobagri from Wallago attu: trematode hemoglobin compared with host hemoglobin, spectrophotometric analysis

Hemoglobin
Haider, S. A.; and Siddiqi, A. H., 1977, J. Helminthol., v. 51 (4), 373-378
six species of digenetic trematodes, kinetics of alkali denaturation of oxyhaemoglobins, comparison with alkali denaturation of their host oxyhaemoglobins

Hemoglobin
Hawley, T. G., 1973, N. Zealand Med. J. (489), v. 77, 95-97
Necator infestation in rural dwelling Fijians and Indians, relationship to mean hemoglobin levels

Hemoglobin
Hermoso, R.; Monteoliva, M.; and Sanchez, M., 1975, Rev. Iber. Parasitol., v. 35 (3-4), 329-337
Ascaris lumbricoides, culture in media with added glucose or hemoglobin, relationship of nutrients to total carbohydrate content of certain tissues; no clear relationship to content of specific sugars (glucose, trehalose, glycogen)

Hemoglobin
Hermoso, R.; Sanchez, M.; and Monteoliva, M., 1975, Rev. Iber. Parasitol., v. 35 (3-4), 355-360
Ascaris lumbricoides, culture in media with added glucose or hemoglobin, soluble protein and hemoglobin content of certain tissues, values for body wall most accurately reflect physiological state of parasite; Tyrode solution with 1.0 g glucose and 0.3 g pig hemoglobin per liter best medium for culture

Hemoglobin
Khan, Z. I.; and De Rycke, P. H., 1976, Ztschr. Parasitenk., v. 49 (3), 253-261
Hymenolepis microstoma in vitro, effect of haemoglobin, hemin and bilirubin on strobilization and maturation

Hemoglobin
Kitaoka, S.; and Fujisaki, K., 1976, National Inst. Animal Health Quart., v. 16 (3), 114-121
tick larvae, nymphs, accumulating process, concentration ratios, ingested blood meals

Hemoglobin
Langreth, S. G., 1976, J. Protozool., v. 23 (2), 215-223
Babesia microti vs. Plasmodium lophurae, feeding mechanisms of parasites freed of host erythrocytes, ferritin uptake of in vitro culture system

Hemoglobin
McGhee, R. B.; Singh, S. D.; and Lushbaugh, W. B., 1975, J. Protozool., v. 22 (3), 18A [Abstract]
Plasmodium gallinaceum in chicken embryos of different ages, differences in development and reproduction may be due to different hemoglobin composition

Hemoglobin
Monteoliva Hernandez, M., 1973, Rev. Iber. Parasitol., v. 33 (2-3), 407-425
Ascaris lumbricoides, perivisceral fluid, separation and analysis of proteins and hemoglobin

Hemoglobin
Monteoliva, M.; Benito, M.; and Hermoso, R., 1973, Rev. Iber. Parasitol., v. 33 (4), 515-524
Ascaris lumbricoides, perivisceral liquid, statistical analysis of content of proteins, hemoglobin and "adenine derivatives"; protein and hemoglobin content influenced by intestinal content and diet of host but not by maturity of parasite; types of proteins dependent on weight and maturity of parasite

Hemoglobin
Monteoliva, M.; and Hermoso, R., 1974, Rev. Iber. Parasitol., v. 34 (3-4), 229-236
Ascaris lumbricoides, cultured in starvation conditions, soluble protein content decreased significantly in sexual organs and body wall, slightly in perivisceral fluid; hemoglobin decreased significantly in sexual organs and body wall, increased slightly in perivisceral fluid; estimates of endogenous utilization and elimination

Hemoglobin
Pasvol, G.; Weatherall, D. J.; and Wilson, R. J. M., 1977, Nature, London (5633), v. 270, 171-173
Plasmodium falciparum in vitro, preferential invasion of young red cells but no difference in rate of development in red cells of differing ages, foetal haemoglobin (Hb F) has no direct effect on rate of invasion of red cells but does cause retardation of parasite growth and development and may therefore offer some degree of protection, this may be possible mechanism for maintenance of β thalassaemia polymorphism since there is a retardation of rate of decline of Hb F production in infants heterozygous for β thalassaemia

Hemoglobin
Ree, G. H., 1976, Ann. Trop. Med. and Parasitol., v. 70 (2), 247-248
Plasmodium falciparum, human, possible relationships between complement and decreased hemoglobin in parasitemia

Hemoglobin
Ringelhann, B.; et al., 1976, Am. J. Hum. Genet., v. 28 (3), 270-279
possible relationships between hemoglobin types and human malarial infection rate, parasite species, parasite density, host age and sex; correlations with transplacental and passive immunity

Hemoglobin
Simon, M. W.; Rusnak, J. M.; and Mukkada, A. J., 1976, Exper. Parasitol., v. 39 (1), 51-58
Leishmania tropica promastigotes in vitro, sensitivity to toxic effects of bilirubin (loss of viability, decreased sugar and amino acid uptake, increased efflux of intracellular sugars, hexokinase activity, lowered respiration), results suggest irreversible damage to cell membrane, possible culture loss if bilirubin concentration of hemoglobin solution used is too high

Hemoglobin
Smit, J. D. G.; et al., 1977, Nature, London (5602), v. 266, 536-538 [Letter]
Ornithodorus moubata porcinus, haemoglobin crystals in midgut, formation, structure, changes with time, appear to play role in preservation of nutrient reserves

Hemoglobin
Srichaikul, T.; Siriasawakul, T.; and Poshyachinda, M., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (3), 244-246
Plasmodium falciparum in humans, defect in hemoglobin synthesis during infection, effect on normoblastic development in vitro, possible role of complement in depression of erythropoiesis

Hemoglobin
Tantengco, V. O.; et al., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (2), 210-221
hookworm, analysis of serum and red cell folate activity and its relationship to hemaglobin concentration in infected and hookworm free children

Hemoglobin
Waldeland, H., 1976, Acta Vet. Scand., v. 17 (4), 403-411
Toxoplasma gondii, sheep muscular tissue, incidence correlated with dye test titres and haemoglobin type (higher in type B than A or AB), possible genetic influence on infection, epidemiology, meat inspection: southern Norway

Hemoglobin
Waldeland, H., 1977, Acta Vet. Scand., v. 18 (2), 237-247
Toxoplasma gondii, sheep, antibody formation, dye test titres higher in ewes that had aborted; course of titre levels in young lambs; titre not influenced by listeric encephalitis; higher titres in sheep with hemoglobin type B

Hemoglobin
Washburn, K. W., 1975, Avian Dis., v. 19 (4), 791-801
Eimeria tenella, chickens with mutant and normal hemoglobin types compared under conditions of hematopoietic stress from coccidiosis infection and blood loss from mechanical bleeding

Hemoglobin
Wyatt, R. D.; Ruff, M. D.; and Page, R. K., 1975, Avian Dis., v. 19 (4), 730-740
chicks, interaction of aflatoxin with Eimeria tenella infection and monensin: E. tenella and aflatoxin in combination significantly increased mortality and weight depression, and caused more severely reduced hemoglobin, packed cell volume, and plasma pigmentation; monensin sodium did not completely prevent mortality and weight depression in a mixed infection; coccidial lesion scores were less for combination of E. tenella and aflatoxicosis than for coccidiosis alone

Hemoglobin
Zigas, V., 1973, Papua N. Guinea Med. J., v. 16 (1), 51-53
human hookworm anemia, positive correlation between hemoglobin levels and degree of infection: Southern Highlands of Papua New Guinea

Hemoglobinemia. See Blood.

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Histochemistry
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Histochemistry
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Histochemistry
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Histochemistry
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Histochemistry
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Histochemistry
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Histochemistry
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Histochemistry
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Schistosoma mansoni, hycanthone effects on muscular activity and neurotransmitter systems cannot be related to mode of antischistosomal action of this drug, effects occur after hepatic shift, are not demonstrable with antischistosomal analogs of hycanthone, and are also elicited in hycanthone-resistant worms; histochemical observations with dansylated compounds

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Histochemistry
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Histochemistry
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Histology. [See also Morphology]

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(Trichuris trichiura; Clonorchis sinensis; Ascaris lumbricoides; Ancylostoma caninum; Fasciolopsis buski; Schistosoma japonicum; Diphyllobothrium latum; Enterobius vermicularis; Ancylostoma duodenale; Necator americanus; Strongyloides stercoralis)

Hormones. [See also Biochemistry; Glands, Host; Metabolism; Pheromones]

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Hormones
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Hormones
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Hormones
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Hormones
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Hormones
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Ascaridia galli in chicks treated with hormones (ACTH and cortisone), low doses produced higher levels of parasitism, increased larval burden in first 5 days after infection and eliminated usual sudden decrease of larval count in chick intestine; high dose of cortisone produced low level of parasitism

Hormones
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A[scaridia] galli in chicks treated with hormones (ACTH and cortisone), blood values (erythrocytes, leucocytes, haemoglobin, leucogram) same as normal chicks or infected, untreated chicks

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Hormones
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Hormones
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Hormones
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Crepidostomum metoecus in Salmo trutta, incidence, annual seasonality, increase in infection in younger fish, spawning fish showed higher infection in females than males suggesting role of reproductive hormones in host resistance
Salmo trutta (pyloric caeca, intestine)
Cloeon simile
Siphlonurus lacustris
all from Loch of Strathbeg, N.E. Scotland

Hormones
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insect growth regulators for control of insects of medical and veterinary importance, review

Hormones
Chamberlain, W. F.; and Becker, J. D., 1977, Southwest. Entom., v. 2 (4), 179-182
Xenopsylla cheopis, inhibition of cocoon formation and adult emergence by insect growth regulators, possible means of control

Hormones
Chamberlain, W. F.; Hopkins, D. E.; and Gingrich, A. R., 1976, Southwest. Entom., v. 1 (1), 1-8
Bovicola limbatus, Angora goats, growth regulators, spray vs. pour on

Hormones
Chen, P.; and Soulsby, E. J. L., 1976, Internat. J. Parasitol., v. 6 (2), 135-141
Haemonchus contortus infections in ewes during pregnancy, parturition, and lactation, blastogenic responses of peripheral blood leukocytes to non-specific mitogen, non-helminth antigens, and specific 3rd stage larval antigen, relationship to 'spring-rise' and 'self-cure' phenomena, possible hormonal factors

Hormones
Combescot, C.; Barrabes, A.; and Gerhardt, R., [1976], Ann. Parasitol., v. 50 (5), 1975, 629-633
Schistosoma mansoni, female golden hamsters, oestrogen reduces intensity of infection but does not change sex ratio of worms

Hormones
Condon, W. J.; and Gordon, R., 1977, J. Invert. Path., v. 29 (1), 56-62
Neomesomermis flumenalis, effects on neuroendocrine systems and storage of fat body glycogen in larval Prosimulium mixtum fuscum and Simulium venustum

Hormones
Connan, R. M., 1976, Vet. Rec., v. 99 (24), 476-477
gastrointestinal nematodes, suppressed immune response of host during lactation primarily of endocrinal origin, review

Hormones
Cornford, E. M.; et al., 1975, Gen. Pharmacol., v. 6 (4), 315-323
Trypanosoma lewisi, effects of altered blood glucose levels in vivo (rats), effects of hypoglycemic and hyperglycemic agents on glucose metabolism in vitro

Hormones
Counio, 1975, Marseille Med., v. 112 (4), 233-237
human vaginitis, good treatment results in combined use of hormones and trichomonicides: France

Hormones
Davey, K. G., 1976, Organ. Nematodes (Croll), 273-291
hormones in nematodes, review: neurosecretion; hormonal control of development; effect of exogenous hormones

Hormones
Davtian, E. A.; Boiakhchian, G. A.; and Balaian, D. E., 1976, Biol. Zhurnal Armenii, v. 29 (7), 3-13
fascioliasis and cysticercosis, sheep, various aspects of pathogenesis (role of hypovitaminosis-A and mechanisms and dynamics of its origin, origin of vitamin E insufficiency, thyroid insufficiency, role of endogenous copper insufficiency, interaction of copper sulfate with vitamins A and E); possible use of copper sulfate as treatment

Hormones
Dennis, R. D. W., 1977, Internat. J. Parasitol., v. 7 (3), 181-188
Haemonchus contortus, extracts, amount of ecdysone-like material

Hormones
De Rosa, F.; et al., 1972, Parassitologia, v. 14 (2-3), 275-286
echinococcosis, secondary peritoneal hydatidosis in experimental mice, antigen vaccination; inoculation with scolices, quantitative studies, various factors in receptivity

Hormones
Dominguez O., J.; et al., 1977, Veterinaria, Mexico, v. 8 (2), 37-41
Sarcoptes scabiei canis, experimental transmission to dog from human having Turner's syndrome and scabies, possibility of human cases of canine scabies under conditions of hormone imbalance or immunological unresponsiveness

Hormones
Duong, T. H.; and Barrabes, A., 1976, Compt. Rend. Soc. Biol., Paris, v. 170 (4), 908-915
Entamoeba h. histolytica (exper.), level of circulating antibodies (indirect immunofluorescence) is lower in female castrated golden hamsters implanted with pellet of oestradiol than in castrated control animals

Hormones
Erp, E. E.; and Fahrney, D., 1976, Am. J. Vet. Research, v. 37 (5), 607-609
Anaplasma marginale, splenectomized cattle, increases in serum concentration of phagocytosis-stimulating factor and acceleration of erythrophagocytosis; factor may be new hormone

Hormones
Esch, G. W.; Johnson, W. C.; and Coggins, J. R., 1975, Proc. Oklahoma Acad. Sc., v. 55, 122-127
Proteocephalus ambloplitis population dynamics, smallmouth bass (Micropterus dolomieui), lake temperature profile and infection rates, host hormones as possible stimulus for parenteric plerocercoid migration; suggested absence of competitive interaction between P. ambloplitis and Leptorhynchoides thecatus, densities of acanthocephalans and tapeworms and number of pyloric ceca present suggested potential space available for attachment not fully exploited: Gull Lake, Kalamazoo County, Michigan

Hormones
Fioravanti, C. F.; and MacInnis, A. J., 1976, J. Parasitol., v. 62 (5), 749-755
Hymenolepis diminuta in vitro, farnesol and other prenoid substances had no growth-promoting effect and were toxic at higher concentrations

Hormones
Freze, V. I.; and Zenevich, I. V., 1977, Dokl. Akad. Nauk SSSR, v. 235 (4), 976-979
Diphyllobothrium ditremum, D. vogeli, exper. final hosts, effect of thyroxine on growth and sexual maturity; concluded that cestodes in hyperthyroid hosts have increased reproductive potential

Hormones
Gad-El-Mawla, N.; et al., 1973, Med. J. Cairo Univ., v. 41 (4), 309-314
possible correlations of estrogen-containing contraceptive pills in the presence of schistosomal hepatic fibrosis with intramammary duct hyperplasia and cancer, exper. mice

Hormones
Gentleman, S.; Abrahams, S. L.; and Mansour, T. E., 1976, Molec. Pharm., v. 12 (1), 59-68
Fasciola hepatica, effect of substrates and adenosine cyclic 3',5'-monophosphate concentrations on protein kinase activity; 5-hydroxytryptamine activation of protein kinase, relationship between protein kinase activity and time of incubation with 5-HT; LSD antagonism of 5-HT activation of protein kinase; phosphorylation in fractions of fluke homogenate

Hormones
Gingrich, A. R.; and Hopkins, D. E., 1977, J. Econom. Entom., v. 70 (1), 107-108
Haematobia irritans, 3rd-instars exposed to insect growth regulator, methoprene, adult emergence inhibited, no effect on 1st-, 2nd-instars or pupae

Hormones
Gross, W. B., 1976, Poultry Science, v. 55 (4), 1508-1512
Eimeria necatrix, chickens with high levels of plasma corticosterone housed in environment of considerable social interaction had more active phagocytic defense and fewer schizonts than chickens with low levels of plasma corticosterone housed in environment with minimized social interaction

Hormones
Hall, R. D.; and Gross, W. B., 1975, J. Parasitol., v. 61 (6), 1096-1100
Ornithonyssus sylviarum, chickens artificially selected for high or low levels of plasma corticosterone response to stress and housed to promote high or low levels of social interaction, effect on development of mite populations, host sex differences

Hormones
Hennessy, D. R.; Prichard, R. K.; and Griffiths, D. A., 1977, Exper. and Molecular Path., v. 27 (2), 143-151
Trichostrongylus colubriformis-infected sheep, thyroxine and thyroxine-binding proteins

Hormones
Henry, L.; and Beverley, J. K. A., 1976, Brit. J. Exper. Path., v. 57 (3), 274-280
Toxoplasma gondii, mice, age and sex differences in response of lymph node post-capillary venules, possible role of female sex hormones on vascular endothelium in modifying development of immune response

Hormones
Hepler, D. I.; Lueker, D. C.; and Rubin, R., 1976, J. Parasitol., v. 62 (3), 491-492
Nematospiroides dubius, vaccination, immune response of outbred mouse strains stronger than inbred ones, oral route of administering larvae superior to subcutaneous route, steroid hormones blocked expression of immunity in subcutaneously vaccinated mice but not in orally vaccinated ones

Hormones
Hindsbo, O., 1973, Norwegian J. Zool., v. 21 (4), 328 [Abstract]
anterior migration of Nippostrongylus brasiliensis in small intestine of rats during primary and secondary infections correlated to self-cure; experiments with prednisolone-treated rats showed that anterior migration is independent of worm expulsion

Hormones
Hosier, D. W.; and Durning, J. P., 1975, J. Parasitol., v. 61 (3), 564-566
Nematospiroides dubius, male vs. female ICR mice challenged with 200 larvae after receiving one stimulating infection of 400 larvae, effect of gonadectomy or supplemental sex hormone treatment on worm burden

Hormones
Ibanez, E. A.; et al., 1976, Gac. Vet., Buenos Aires (307), v. 38, 7-13
Babesia equi, equine, determination of carriers, application of glucocorticoids to produce hosts for treatment studies

Hormones
Injeyan, H. S.; and Meerovitch, E., 1974, J. Protozool., v. 21 (5), 738-742
Crithidia sp., inhibition of overall growth and macromolecular synthesis by juvenile hormone, inhibition of RNA synthesis of particular interest, implications for mode of action in insect systems

Hormones
Ioffe, I. D.; et al., 1977, Zhurnal Obsh. Biol., v. 38 (6), 885-892
Ixodes persulcatus; Dermacentor silvarum, effect of synthetic juvenile hormone analogue

Hormones
Kelly, J. D.; and Dineen, J. K., 1973, Immunology, v. 24 (3), 551-558
Nippostrongylus brasiliensis, suppression of rejection in castrated male rats treated with ovine prolactin, main effect of prolactin is directed towards the immunologically specific lymphoid phase of the worm rejection mechanism

Hormones
Khan, Z. I.; and De Rycke, P. H., 1975, Biol. Jaarb., Gent, v. 43, 173-178
Hymenolepis microstoma, increased protein content of 12 day old worms infecting mice injected daily with testosterone propionate, however, weight and glycogen content of worms remained unaffected; hormonal requirement may be related to host diet

Hormones
Kowalski, J. C.; and Thorson, R. E., 1976, Internat. J. Parasitol., v. 6 (4), 327-331
Mesocestoides corti tetrathyridia, growth and asexual reproduction in vivo and in vitro as affected by certain lipid compounds (Williams and Law mixture, farnesol, ecdysterone, cholesterol, stigmasterol, lipid extracts from M. corti and Hymenolepis diminuta)

Hormones
Laudisio, V.; Lirosi, G.; and Guarascio, A., 1970, Minerva Ginec., v. 22 (21), 1059-1063
human vaginal trichomoniasis, relationship between hormonal levels and predisposition to vaginal infections

Hormones
Lirosi, G.; and Guarascio, A., 1972, Minerva Ginec., v. 24 (1), 23-27
human Trichomonas vaginalis vaginitis, successful treatment using estrogen hormones to alter vaginal environment

Hormones
Long, P. L.; and Millard, B. J., 1976, Ztschr. Parasitenk., v. 48 (3-4), 287-290
Eimeria spp., immunized chickens, oocysts produced after corticosteroid treatment in some birds, possibly endogenous cycle continues or remains dormant; possible means of diagnosis of occult infection in apparently immune hosts

Hormones
Machado, A.B.M.; Machado, C.R.S.; and Gomes, C. B., 1975, Experientia, v. 31 (10), 1202-1203
Trypanosoma cruzi, rats, experimental acute myocarditis, depletion of heart norepinephrine indicates massive involvement of cardiac postganglionic sympathetic fibres in acute Chagas disease

Hormones
Mango, C.; Odhiambo, T. R.; and Galun, R., 1976, Nature, London (5549), v. 260, 318-319
Ornithodoros moubata, females, induction of super-moulting by ingestion of ecdysone or ponasterone A, increased body weight and egg output, possible practical implications

Hormones
Meleney, W. P.; and Roberts, I. H., 1975, J. Parasitol., v. 61 (5), 956-959
3 insect juvenile hormone mimics used as sprays for control of Haematopinus eurysternus on cattle resulted in significant reduction of lice and in concomitant severe skin lesions associated with death or incomplete development of Hypoderma sp., therefore unsafe for use on mature cattle harboring both grubs and lice

Hormones
Miller, J. A.; et al., 1976, J. Econom. Entom., v. 69 (3), 330-332
methoprene, insect growth regulator, applied to drinking water of cattle, inhibited development of Haematobia irritans in manure

Hormones
Moncol, D. J., 1975, Proc. Helminth. Soc. Washington, v. 42 (2), 86-92
Strongyloides ransomi, biology and morphology of transcolostral phase in pigs

Hormones
Ngwenya, B. Z., 1976, Cellular Immunol., v. 24 (1), 116-122
Trichinella spiralis, effect of lactation on cell-mediated immunity, cell transfer studies with lactating and non-lactating mice, lactogenic hormones apparently suppressed expression of adoptive immunity

Hormones
Ngwenya, B. Z., 1976, J. Parasitol., v. 62 (6), 871-873
Trichinella spiralis, suppression of rejection in mice treated with ovine prolactin

Hormones
Nosek, J.; and Rehacek, J., 1977, Biologia, Bratislava, s. B, Zool., v. 32 (2), 101-103
abnormalities in laboratory bred Hyalomma dromedarii apparently due to hormonal disorder rather than mechanical injury

Hormones
Novak, M., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 422-423 [Letter]
Mesocestoides tetrathyridia, oestradiol increased considerably the invasion of mice livers by tetrathyridia

Hormones
Novak, M., 1976, Experientia, v. 32 (12), 1529-1530
Taenia crassiceps, gonadectomy of mouse hosts inhibited asexual reproduction of cysticerci considerably and increased the average size of the larvae

Hormones
Patton, S.; and Drudge, J. H., 1977, Am. J. Vet. Research, v. 38 (12), 2059-2066
Strongylus vulgaris, ponies given repeated small doses of infective larvae, acquired resistance against challenge exposure; clinical and hematologic responses, corticosteroid and/or antibiotic therapy did not alter immune response

Hormones
Paysinger, J. T.; and Adkins, T. R., jr., 1977, J. Georgia Entom. Soc., v. 12 (3), 255-260
Haematobia irritans, cattle fed methoprene in mineral supplements, decrease of adult horn fly counts on cattle and adult emergence in fecal samples

Hormones
Phares, C. K.; and Carroll, R. M., 1977, J. Parasitol., v. 63 (4), 690-693
Spirometra mansonoides, lipogenic effect of plerocercoid infection in intact hamsters, distinctly unlike lipolytic effect reported for mammalian growth hormone

Hormones
Phares, C. K.; Hofert, J. F.; and Pettinger, C. L., 1976, Gen. and Comp. Endocrinol., v. 28 (1), 103-106
Spirometra mansonoides, hypophysectomized-plerocercoid-infected rats, growth stimulation of lymphatic tissue: in vitro incorporation of ^{3}H-labeled nucleosides into DNA and RNA of isolated thymocytes; spleen thymidine kinase activity

Hormones
Phares, C. K.; and Ruegamer, W. R., 1973, Prep. Biochem., v. 3 (4), 375-381
Spirometra mansonoides, plerocercoid growth factor, isolated by means of polyacrylamide gel electrophoresis and identified by pigeon crop sac assay

Hormones
Prasad, R. S., 1976, Ztschr. Parasitenk., v. 50 (1), 81-86
Xenopsylla cheopis and X. astia fed on sterile male rats treated with cortisone and progesterone, no influence on reproductive potential

Hormones
Riddiford, L. M., 1975, Invert. Immun. (Maramorosch and Shope), 339-353
hormonal relationships between parasites and their insect hosts, review

Hormones
Sanchez, G.; and Alderete, J. F., 1975, Comp. Biochem. and Physiol., v. 52 (4A), 623-626
Trypanosoma rhodesiense, adrenalectomized rats, increased parasitemia and earlier death, relation to decreases in total liver glycogen, reduced rate of glucose consumption by trypanosomes, endocrine system as possible regulator of trypanosome biochemistry, possible mechanism in pathogenesis of trypanosomiasis

Hormones
Sauer, J. R.; Mincolla, P. M.; and Needham, G. R., 1976, Comp. Biochem. and Physiol., v. 53 (2C), 63-66
Amblyomma americanum, isolated salivary glands, effects of adrenaline, cyclic AMP, and inhibitors on function (uptake of chloride and fluid secretion)

Hormones
Sen, D. K.; and Jones, W. R., 1974, J. Protozool., v. 21 (3), 446 [Abstract]
Trypanosoma duttoni, castrated and uncastrated mice on two different diets, growth response and parasitemia

Hormones
Spaldonova, R.; et al., 1973, Izvest. Tsentral. Khelmint. Lab., v. 16, 197-203
Trichinella spiralis, white mice, effect of aloxan diabetes on dynamics of intestinal trichinosis and intensity of muscular infection, hyperglycaemia may inhibit allergic reaction of host to infection

Hormones
Stibbs, H. H.; and Seed, J. R., 1976, Exper. Parasitol., v. 39 (1), 1-6
Trypanosoma brucei gambiense, chronically infected Microtus montanus, elevated serum and hepatic tyrosine aminotransferase, high serum levels may result from lysis of parasites (possibly due to agglutination by antibody) containing high levels of enzyme, implications for catecholamine metabolism and consequently for pathologic behavioral syndrome

Hormones
Stockdale, P. H. G.; and Niilo, L., 1976, Canad. Vet. J., v. 17 (2), 35-37
Eimeria zuernii, production of bovine coccidiosis, treatment with dexamethasone enhances reproduction by parasite, produces acute disease rather than mild infection, possibly lowers host resistance

Hormones
Stoye, M.; and Krause, J., 1976, Zentralbl. Vet.-Med., Reihe B, v. 23 (10), 822-839
Ancylostoma caninum, impatently infected lactating ovariectomized dog, reactivation of inhibited larvae, oestradiol and progesterone induced larval excretion in milk

Hormones
Sukkar, M. Y.; Omer, A. H. S.; and Ahmed, N. El D., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 327-332
Schistosoma mansoni in humans with hepatic enlargement, impaired glucose tolerance and abnormal growth hormone secretion, possible relationships

Hormones
Sutton, R. J., 1976, Research Vet. Sc., v. 21 (3), 354-355
Taenia ovis, sheep, corticosteroids increasing number of cysticerci, possible method of obtaining sufficient viable cysticerci for research

Hormones
Takahashi, M.; and Ohtaki, T., 1975, Eisei Dobutsu (Japan. J. San. Zool.), v. 26 (4), 237-239
Pediculus humanus corporis, Cimex lectularius, ovicidal effects of methoprene and hydroprene, juvenile hormone analogs; methoprene less effective on P. humanus corporis, more effective on C. lectularius

Hormones
Tinsley, R. C., 1977, Parasitology, v. 75 (2), v [Abstract]
Polystoma integerrimum, new studies and reconsideration of earlier studies indicate no deleterious effect of host sex hormones on natural levels of parasitization in Rana temporaria

Hormones
Titchen, D. A.; and Anderson, N., 1977, Austral. Vet. J., v. 53 (8), 369-373
Ostertagia, sheep and cattle, physiopathology of gastritis, secretory changes of parasitized and non-parasitized mucosa, review

Hormones
Toshkov, A.; et al., 1977, Dokl. Bolgar. Akad. Nauk, v. 30 (6), 895-896
Trichinella spiralis-infected rats followed by infection with Erysipelothrix rhusiopathiae, effect of ACTH on defence mechanisms is counteracted by T. spiralis (inhibition of non-specific protective factors)

Hormones
Tseng, M. T.; and Mueller, J. F., 1977, J. Parasitol., v. 63 (1), 168-169
Spirometra mansonoides, rats, effect of sparganum growth factor on pituitary cytology, suppression of somatotrops, highly active corticotrops

Hormones
Veech, R. L.; et al., 1976, J. Toxicol. and Environment. Health, v. 1 (5), 793-806
Spirometra mansonoides growth factor vs. bovine growth hormone, comparison of metabolic effects on rat liver in vivo

Hormones
Vercelli-Retta, J.; et al., 1975, Ztschr. Parasitenk., v. 48 (1), 15-23
Echinococcus granulosus, hydatid cysts from human and bovine lungs, germinal membrane, histochemistry and histoenzymology, enzymes, lipids, metabolic pathways, possible endocrine system; possible future pharmacological studies for interference with parasite development

Hormones
Wartofsky, L.; et al., 1977, J. Clin. Endocrinol. and Metab., v. 44 (1), 85-90
acute falciparum malaria, nature of thyroidal suppression, integrity of pituitary response to thyrotropin-releasing hormone and alterations in serum T_3 and reverse T_3

Hormones
Wilson, P. A. G., 1977, Parasitology, v. 75 (2), 233-239
Strongyloides ratti, rats (exper.), maternal worm burden when weaning is varied in relation to injection, effect of short-term stimulus (only 1 hr suckling) on maternal worm burden, working hypothesis to explain path-finding by migrating worms in lactating rats

Hormones
Younger, R. L.; et al., 1975, J. Med. Entom., v. 12 (5), 517-524
Hypoderma, cattle yearlings treated topically with 5 juvenile hormone analogues, development of enlarged warbles with accumulated exudate, isolation of alpha hemolytic streptococci, no definitive changes in serum chemistry or haematological values, no acute toxic effects

Host finding. See Host perception by parasites.

Host, Parasite-free. See Gnotobiotic animals.

Host-parasite relationships. [See also Adaptation]

Host-parasite relationships
Adams, V. D.; DeAngelis, D. L.; and Goldstein, R. A., 1976, Environment. Sc. Div. Publication (837), Oak Ridge National Lab., 53 pp.
analysis of time delay in a host-parasite model

Host-parasite relationships
Alexander, J.; and Vickerman, K., 1975, J. Protozool., v. 22 (4), 502-508
Leishmania mexicana mexicana-infected mouse peritoneal macrophages, fusion of host cell secondary lysosomes with parasitophorous vacuole, may be pathway for nutrients, drugs, antibodies

Host-parasite relationships
Anderson, R. M., 1977, Parasitology, v. 75 (2), vii [Abstract]
critical assessment of Crofton's model of population dynamics of host-parasite interactions

Host-parasite relationships
Arthur, D. R., 1973, J. Wildlife Dis., v. 9 (1), 74-84
tick-host-disease relationships, review

Host-parasite relationships
Ayala, S. C., 1973, Am. Midland Naturalist, v. 89 (2), 266-280
community dynamics of sandfly-borne protozoan infections: central California

Host-parasite relationships
Chang, K. P.; and Dwyer, D. M., 1976, Science (4254), v. 193, 678-680
Leishmania donovani grown in hamster peritoneal macrophages in vitro, multiplication within host cell phagolysosomes, survival mechanism of this intracellular parasite apparently based upon resistance to macrophage lysosomal enzymic digestion

Host-parasite relationships
Clarke, B., 1976, Symposia Brit. Soc. Parasitol., v. 14, 87-103
argument that genetic interactions between parasites and their hosts have played important perhaps even dominant role in maintaining protein polymorphisms, 3 hypotheses with supporting evidence, mathematical models of specific and general host resistance, consequences for evolutionary theory, symposium presentation

Host-parasite relationships
Crompton, D. W. T.; and Nesheim, M. C., 1976, Advances Parasitol., v. 14, 95-194
host-parasite relationships in alimentary tract of domestic birds, extensive review: nutrition of domestic birds; alimentary tract as habitat for parasites; alimentary tract of germ-free birds; parasite distribution within alimentary tract; relationships between parasites and host digestive physiology and nutrition

Host-parasite relationships
Davey, J. T.; and Gee, J. M., 1976, J. Marine Biol. Ass. United Kingdom, v. 56 (1), 85-94
Mytilicola intestinalis, survey, incidence in mussels, suggested differences in infestation levels between estuarine and open-coast populations due primarily to differences in degree of exposure to wave action, other factors include size, population density and location of hosts
Mytilus sp. (digestive tract): southwest of England

Host-parasite relationships
Esch, G. W.; Gibbons, J. W.; and Bourque, J. E., 1975, Am. Midland Naturalist, v. 93 (2), 339-353
analysis of relationship between stress and parasitism

Host-parasite relationships
Hildebrand, H. F., 1976, Ztschr. Parasitenk., v. 49 (3), 193-215
Didymophyes gigantea, electron microscopy of epimerite and protomerite, relationship between parasite surface and host cell, periparasitic space, modified structure of host cell

Host-parasite relationships
Hommel, M., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 268 [Demonstration]
Leishmania donovani, infection of ascitic tumor cells in mice (exper.), possible usefulness in study of host-parasite relationships at cellular level, little immunosuppressive effect of tumor on parasitemia

Host-parasite relationships
Jones, T. C., 1974, J. Reticuloendothel. Soc., v. 15 (5), 439-450
interactions of intracellular parasites (including protozoa with special emphasis on Toxoplasma gondii) with macrophages, review: endocytosis, the entry process; survival within vacuolar system; effects of immunity on intracellular parasitism

Host-parasite relationships
Jordan, A. M., 1976, Vet. Parasitol., v. 2 (1), 143-152
Glossina spp. as vectors of trypanosomes, factors affecting infection rates in tsetse flies, possible immune responses, effects of vector on characteristics of strains of trypanosomes, review

Host-parasite relationships
Kethley, J. B.; and Johnston, D. E., 1975, Misc. Publication Entom. Soc. Am., v. 9 (5), 231-236
review of evolutionary relationships of bird and mammal ectoparasites and their hosts, resource tracking patterns of parasites through evolutionary time, selective pressure from hosts, host-transfers through time, discordances of parasite and host taxonomy in relation to parasite's ecological needs on host topography; particular discussion of Syringophilinae with mathematical analysis of host and parasite taxonomy

Host-parasite relationships
Koerting, W., 1975, Fisch u. Umwelt (1), 3-11
host-parasite relationships from the point of view of fishery biology, parasite effects on host, immunity, control, review

Host-parasite relationships
Lang, B. Z., 1975, Proc. Oklahoma Acad. Sc., v. 55, 147-149
Fasciola hepatica, mechanism of acquired immunity, host-parasite relationships, experimental animals, review

Host-parasite relationships
Lapan, E. A., 1975, Comp. Biochem. and Physiol., v. 52 (4A), 651-657
dicyemid Mesozoa, contribution to acidification of Octopus vulgaris urine, symbiotic rather than parasitic relationship

Host-parasite relationships
Lewis, D. H., 1975, J. Protozool., v. 22 (3), 53A [Abstract]
Leishmania mexicana mexicana, in vitro studies on intracellular relationship with lysosomal system of normal vs. sensitized host macrophages

Host-parasite relationships
MacMillan, W. G., 1975, J. Protozool., v. 22 (3), 42A [Abstract]
nature of cell junction between Nematocystis magna and an epithelial cell of its host Lumbricus terrestris

Host-parasite relationships
May, R. M., 1977, Parasitology, v. 75 (3), 259-276
dynamical aspects of host-parasite associations: remedy of defects of Crofton's model

Host-parasite relationships
Mazen, L.; Gull, K.; and Gutteridge, W. E., 1975, J. Protozool., v. 22 (3), 54A [Abstract]
Plasmodium chabaudi-infected erythrocytes examined using freeze fracture technique, nature of host-parasite interface

Host-parasite relationships
Noble, E. R., 1974, J. Protozool., v. 21 (1), 1-4
3 ecologic approaches to study of protozoan parasitism: studies of energy flow between parasite and host; systems analysis; studies of nutrition through analysis of parasite's environment (Past President's address, Soc. Protozool.)

Host-parasite relationships
Peterson, P. C., 1972, Steenstrupia, v. 2 (14), 197-205
Alloptidae and Proctophyllodidae, associations between orders of birds and feather mite families

Host-parasite relationships
Peterson, P. C., 1975, Misc. Publication Entom. Soc. Am., v. 9 (5), 237-242
feather mites of birds, host-parasite distribution by taxa, feather anatomy, mathematical analysis of barb width and location in relation to mite distribution, basis for further studies of host-parasite evolution

Host-parasite relationships
Podesta, R. B.; and Mettrick, D. F., 1976, Canad. J. Zool., v. 54 (5), 694-703
lack of clinical manifestations in Hymenolepis diminuta-caused maldigestion and malabsorption in rats, determination of compensatory mechanisms including enhanced glucose- and bicarbonate-stimulated transport in infected small intestine, low mucosal permeability, and functional compensation by colon

Host-parasite relationships
Price, R. D., 1972, J. Med. Entom., v. 9 (6), 537-544
Geomydoecus, sympatric species on Thomomys bottae-umbrinus complex, discussion

Host-parasite relationships
Redetzke, K. A.; and Canaris, A. G., 1977, Exper. Parasitol., v. 41 (1), 229-241
Brachylaime microti in snail and rodent hosts, systems analysis applied to ecology of host-parasite system, mechanistic simulation model tested against actual observations

Host-parasite relationships
Riddiford, L. M., 1975, Invert. Immun. (Maramorosch and Shope), 339-353
hormonal relationships between parasites and their insect hosts, review

Host-parasite relationships
Rudzinska, M. A.; et al., 1976, Cell and Tissue Research, v. 169 (3), 323-334
Babesia microti invades host erythrocyte through invagination of host plasma membrane with formation of parasitophorous vacuole, vacuolar space disappears and membrane of parasite and vacuole become closely adjacent, outer membrane then disintegrates

Host-parasite relationships
Seed, T. M.; and Kreier, J. P., 1976, Infect. and Immun., v. 14 (6), 1339-1347
Plasmodium berghei, surface charge and lectin-binding capacity of isolated malaria parasites vs. host erythrocytes compared by chromatographic, electrophoretic, and cytochemical methods

Host-parasite relationships
Sonenshine, D. E., 1975, Misc. Publication Entom. Soc. Am., v. 9 (5), 243-249
population dynamics, influence of host-parasite interactions, Ixodes ricinus in relation to tick-borne encephalitis; Dermacentor variabilis in relation to Rocky Mountain spotted fever, review

Host-parasite relationships
Soulsby, E. J. L., 1976, Pathophysiol. Parasit. Infect., 1-9
determinants of parasitism: factors in pathogenicity (factors determining host-parasite compatability; factors determining pathogenicity; survival of parasites in hosts), review

Host-parasite relationships
Watertor, J. L.; and Van Landingham, S. B., 1976, J. Parasitol., v. 62 (1), 152-153
host-induced histochemical variations in Telorchis bonnerensis reared in Ambystoma tigrinum vs. Chelydra serpentina, histochemical resemblance to T. corti when both reared in C. serpentina

Host-parasite relationships
Weiser, J., 1975, J. Protozool., v. 22 (3), 70A [Abstract]
microsporidians in simuliids (including Pleistophora debaisieuxi in Odagmia ornata; and Glugea), provocation of neoplastic xenoma

Host-parasite relationships
Weiser, J., 1976, Ztschr. Parasitenk., v. 48 (3-4), 263-270
Pleistophora debaisieuxi, xenomas (xenoparasitic complexes or parasite-host interactions) in blackflies, Odagmia ornata (fat body), syncytial and neoplastic types, morphology: Kokorin near Prague

Host-parasite relationships
Wenk, P., 1977, Naturw. Rundschau, Stuttgart, v. 30 (10), 353-359
helminths, role of immune reactions in host-parasite relationships, life cycles, modes of transmission, superinfection, comprehensive review of complex interrelationships

Host-parasite relationships
Whitlock, J. H.; and Georgi, J. R., 1976, Parasitology, v. 72 (3), 207-224
biological controls in mixed trichostrongylid infections (predominantly Haemonchus contortus cayugensis) in sheep, different ecosystems (barn vs. pasture) and different treatment groups, course of infections (erythrocyte loss, fecal egg counts, hematocrit values), "Anaphylactoid 'self-cure' did not occur in this experiment but something like premunition certainly did."

Host-parasite relationships
Wilhelm, W. E.; and Pope, D. C., 1974, J. Protozool., v. 21 (3), 434-435 [Abstract]
Tritrichomonas muris, infections of laboratory colony of Mesocricetus auratus (caecum, small intestine, colon), hamsters fed high protein diet became trichomonad free, trichomonad-free hamsters showed higher mortality, weight loss, and fur thinning suggesting possible mutualistic relationship, successful transfaunation to laboratory and wild Mus musculus, reinfection of trichomonad-free Mesocricetus auratus, parasite morphology

Host perception by parasites. [See also Attractants; Taxis]

Host perception by parasites
Basch, P. F., 1976, Exper. Parasitol., v. 39 (1), 150-169
Schistosoma mansoni, intermediate host specificity (Biomphalaria), extensive review

Host perception by parasites
Browning, T. O., 1976, Physiol. Entom., v. 1 (2), 107-114
Rhipicephalus pulchellus, R. appendiculatus, aggregation on grass stems, laboratory and field studies, no evident response to chemical stimulus

Host perception by parasites
Cable, R. M., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 1-18
digenetic trematodes, behaviour, review (reproduction, hatching, penetration, response to taxic and host stimulation; cercarial emergence, swimming)

Host perception by parasites
Christensen, N. O.; Frandsen, F.; and Nansen, P., 1977, J. Helminth., v. 51 (2), 105-113
Schistosoma mansoni, S. intercalatum, comparative efficiency of 5 different methods of infection of mice, description of new radioisotope assay for cercarial host-finding capacity

Host perception by parasites
Christensen, N. O.; Nansen, P.; and Frandsen, F., 1976, J. Parasitol., v. 62 (5), 698-701
Fasciola hepatica miracidia, host-finding capacity for Lymnaea truncatula in relation to environmental temperature

Host perception by parasites
Christensen, N. O.; Nansen, P.; and Frandsen, F., 1976, Parasitology, v. 73 (2), 161-167
Fasciola hepatica miracidia, various aspects of host-finding capacity: infection rate of target Lymnaea truncatula markedly lowered by some decoy hosts but not by others; stronger attraction towards L. truncatula than L. pereger; inability to penetrate intact L. truncatula egg clusters

Host perception by parasites
Christensen, N. O.; Nansen, P.; and Frandsen, F., 1977, Parasitology, v. 74 (3), 285-290
Fasciola hepatica, interference with miracidial snail finding by various aquatic organisms

Host perception by parasites
Croll, N. A., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 31-52
larval nematodes, behavior, review (nematode senses, locomotion, movement patterns as tracked on agar, mechanisms of orientation)

Host perception by parasite
DeVaney, J. A.; et al., 1973, J. Med. Entom., v. 10 (6), 591-595
Cochliomyia hominivorax, attractancy of bovine blood fractions incubated and inoculated with known bacteria species resulted from bacteria and/or from compounds produced by them

Host perception by parasites
Drenner, R. W.; and Camin, J. H., 1977, J. Kansas Entom. Soc., v. 50 (4), 514 [Abstract]
Haemaphysalis leporispalustris, climbing behavior of larvae, role in host-finding and host specificity

Host perception by parasites
Dukes, J. C.; and Rodriguez, J. G., 1976, J. Kansas Entom. Soc., v. 49 (4), 562-566
Dermacentor variabilis, Amblyomma americanum, Rhipicephalus sanguineus, choice tube bioassay to measure responses to various host odors and several chemical compounds

Host perception by parasites
Haas, W., 1976, Ztschr. Parasitenk., v. 50 (2), 216-217
Schistosoma mansoni cercaria, host identification, fatty acids in substrates stimulating penetration following fixation, possibility of control by blocking chemoreceptors

Host perception by parasites
Leahy, (Sr.) M. G.; et al., 1975, J. Med. Entom., v. 12 (4), 413-414
assembly pheromones from Ornithodoros and Argas species, interspecific responses; feeding increased pheromone production and decreased response; possible function in host location

Host perception by parasites
Lom, J.; and Cerkasovova, A., 1974, J. Protozool., v. 21 (3), 457 [Abstract]
Ichthyophthirius multifiliis theronts, host-finding

Host perception by parasites
Mason, P. R., 1977, Parasitology, v. 75 (3), 325-338
Schistosoma mansoni, miracidial response to snail-conditioned water (SCW), effect of various treatments of SCW on its ability to stimulate miracidial activity, importance of 'active spaces' rather than concentration gradients in miracidial host-location

Host perception by parasites
Nansen, P.; Frandsen, F.; and Christensen, N. O., 1976, Parasitology, v. 72 (2), 163-171
Fasciola hepatica, various common freshwater molluscs exposed to miracidia labelled with radioselenium, differential incorporation of radioactivity, evidence for chemical attraction of miracidia to hosts

Host perception by parasites
Prechel, D. P.; Cain, G. D.; and Nollen, P. M., 1976, J. Parasitol., v. 62 (5), 693-697
Megalodiscus temperatus miracidia, responses to amino and sialic acids found in snail (Helisoma trivolvis) conditioned water

Host perception by parasites
Sponholtz, G. M.; and Short, R. B., 1976, J. Parasitol., v. 62 (1), 155-157
Schistosoma mansoni, miracidia, stimulation by snail (Biomphalaria glabrata) conditioned water, evidence that lowered calcium/magnesium ratio may be important in attracting miracidia to snails

Host perception by parasites
Stibbs, H. H.; et al., 1976, Nature, London (5553), v. 260, 702-703
magnesium emitted by Biomphalaria glabrata alters swimming behaviour of Schistosoma mansoni miracidia

Host perception by parasites
Upatham, E. S., 1974, Ann. Trop. Med. and Parasitol., v. 68 (3), 343-352
Schistosoma mansoni cercariae, dispersion in natural standing and running waters determined by cercaria counts and mouse exposure: St. Lucia

Host perception by parasites
Webb, J. P., jr.; George, J. E.; and Cook, B., 1977, Nature, London (5593), v. 265, 443-444
Ornithodoros concanensis makes use of vocal sound of Petrochelidon pyrrhonota as a cue in its host-finding behavior

Host Resistance. See Resistance, Host.

Host specificity. See Specificity, Host.

Host, Transport. See Vectors, Mechanical.

Humidity. [See also Climate and weather; Desiccation; Water]

Humidity
Ahluwalia, J. S., 1976, Indian J. Animal Sc., v. 46 (5), 256-267
Cooperia curticei, survival, migration on soil and grass of infective larvae under natural conditions, various meteorological data

Humidity
Anderson, W. I.; Reid, W. M.; and Johnson, J. K., 1976, Poultry Science, v. 55 (4), 1429-1435
Eimeria tenella, chickens, high environmental temperature and humidity elevated body temperatures of host impairing survival and development of some parasites resulting in decreased severity of coccidiosis, impractical as control measure because of problems of timing the heat treatment and raising the temperature in large chicken houses

Humidity
Artz, V., 1975, Entom. Germanica, v. 1 (2), 105-143
ectoparasites of small mammals, prevalence in relation to ecological factors (geology, soil type, vegetation patterns), family of host and sex of host; technique for live parasitism rates: Schleswig-Holstein

Humidity
Badie, A., 1975, Ann. Recherches Vet., v. 6 (3), 259-264
Dicrocoelium lanceolatum metacercaria, annual activity cycle of parasitized ants, numbers hooked to vegetation at certain parts of the day, possible relationships to temperature and rainfall, risk of parasitism in sheep flocks, possible basis for control

Humidity
Branagan, D., 1973, Trop. Animal Health and Prod., v. 5 (3), 153-165
Rhipicephalus appendiculatus, survival and development of all 3 instars under quasi-natural conditions in Kenya

Humidity
Bryan, R. P., 1976, Austral. J. Agric. Research, v. 27 (4), 567-574
gastrointestinal nematodes of cattle, effect of Onthophagus gazella in dung pats on numbers of infective larvae under moist climatic conditions, ecological distribution of larvae resulting from dung beetle activity

Humidity
Bull, M.; and Smyth, M., 1973, Austral. J. Zool., v. 21 (1), 103-110
Aponomma hydrosauri, Amblyomma albolimbatum, A. limbatum, abutting allopatric distributions, water balance of nymphs and adults in relation to distribution: South Australia

Humidity
Chhabra, M. B.; and Ruprah, N. S., 1976, Indian Vet. J., v. 53 (3), 180-184
Oestrus ovis larvae, sheep, goats, survey, highest incidence in sheep, pupal period and longevity of adult O. ovis dependent upon temperature and humidity: abattoir at Hissar, Haryana

Humidity
Chiriac, E.; and Popescu, A., 1969, Acta Parasitol. Polon., v. 16 (1-19), 1968-1969, 61-68
trematodes of rodents, relationships to humid habitat and mixed vegetable and animal diet of hosts: Roumanie

Humidity
Evans, A. A. F.; and Perry, R. N., 1976, Organ. Nematodes (Croll), 383-424
survival strategies in nematodes, review: quiescence with special reference to cryptobiosis; diapause (in unhatched larvae; in larvae outside the egg; in adult stages; induction and termination; morphological and behavioral correlates)

Humidity
Gemmell, M. A., 1977, Exper. Parasitol., v. 41 (2), 314-328
Taenia spp., Echinococcus granulosus, eggs, hatching characteristics, survival, infectivity of embryos, influence of various factors (different worms, different segments of same worm, moisture, temperature, length of storage, washing), epidemiological implications in regulation of tapeworm populations

Humidity
Hair, J. A.; Sauer, J. R.; and Durham, K. A., 1975, J. Med. Entom., v. 12 (1), 37-47
Amblyomma americanum, A. maculatum, Dermacentor variabilis, critical equilibrium humidity, effects of low and high humidities on rates of weight change, total water content, hemolymph volume, and humidity preference, correlation with geographical distribution and resistance to dehydration

Humidity
Harry, O. G., 1973, J. Protozool., v. 20 (4), 526
4 species of gregarines in Tenebrio molitor, incidence, effect of seasonal changes in temperature and humidity on infection: British Isles

Humidity
Howell, F. G.; and George, J. E., 1973, J. Med. Entom., v. 10 (5), 459-469
Argas cooleyi, behavior and water balance, various relative humidities

Humidity
Hsu, C. K.; and Levine, N. D., 1977, Am. J. Vet. Research, v. 38 (8), 1115-1119
Haemonchus contortus, Trichostrongylus colubriformis, development of infective larvae under cyclic vs. constant conditions of temperature and humidity, degree-day concept appears to be applicable

Humidity
Ismailov, T., 1976, Dokl. Akad. Nauk UzSSR (9), 65-66
Parascaris equorum, effect of humidity and temperature on embryogenesis under field conditions in Uzbekistan; metamorphosis from April to October, anabiosis from November to March

Humidity
Maddox, J. V., 1977, Misc. Publication Entom. Soc. Am., v. 10 (3), 3-18
Nosema necatrix, N. trichoplusiae, viability of spores, effects of sunlight, temperature, water or humidity, substrate or chemicals; potential stability as biological control agents against insect pests

Humidity
Mark, D. L., 1975, J. Parasitol., v. 61 (3), 484-488
Ancylostoma caninum, infective larvae, survival on outdoor bluegrass plots in 40 experiments over 1 year

Humidity
Markov, G. S.; and Mozgovoi, A. A., 1969, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 20, 91-96
low level of helminth infection in Vipera berus influenced by temperature, humidity and pecularities of its geographic distribution and biotic origin

Humidity
Misra, S. C.; and Ruprah, N. S., 1974, Indian Vet. J., v. 51 (2), 147-148
Haemonchus larvae, survival on 2 pastures under changing temperature and relative humidity: India

Humidity
Mock, D. E.; and Matthysse, J. G., 1977, J. Kansas Entom. Soc., v. 50 (4), 518 [Abstract]
Bovicola bovis, study of ambient conditions of temperature and humidity within a heavily parasitized cow's hair coat

Humidity
Motomura, I., 1967, Nettai Igaku (Trop. Med.), v. 9 (4), 201-225
Toxoplasma gondii, mice (exper.), survival comparisons of Beverley and RH strains under various physico-chemical conditions (osmotic pressure, pH, temperature, moisture, irradiation)

Humidity
Muraleedharan, K.; et al., 1976, Mysore J. Agric. Sc., v. 10 (1), 105-117
prevalence and incidence of Schistosoma nasale in cattle and buffaloes, disease dependent upon host age and sex, number of infected snail intermediate hosts, temperature, and rainfall: Karnataka State (Dhanayakanapura, Bangalore District; Hunchipura, Mandya District)

Humidity
Norval, R. A. I., 1977, J. Parasitol., v. 63 (4), 740-747
Amblyomma hebraeum, survival and rate of development in relation to temperature and humidity under laboratory and field conditions, longevity of unfed ticks, ecological implications of results

Humidity
Ollerenshaw, C. B., 1973, Ann. Fac. Med. Vet. Torino, v. 20, Suppl., 83-121
Fasciola hepatica, ecological factors contributing to epidemiology in Britain, speculations for Italy, need for field investigations

Humidity
Parkin, J. T., 1976, Parasitology, v. 73 (3), 343-354
Nematodirus battus, egg development and hatching, effect of variations in humidity and osmotic pressure

Humidity
Plasota, K., 1969, Acta Parasitol. Polon., v. 16 (1-19), 1968-1969, 47-60
helminths of frogs, comparison of aquatic and terrestrial hosts, relation of parasite fauna to environment, food supplies and food habits, host life cycle, temperature, rainfall, season, age and sex of host, competition between species of parasite, localization within host: Kampinos National Park, Poland

Humidity
Rechav, Y.; and von Maltzahn, H. C., 1977, Ann. Entom. Soc. Am., v. 70 (5), 768-770
Boophilus decoloratus, Rhipicephalus evertsi evertsi, water loss from eggs at various temperatures and relative humidities and correlation between weight loss, hatching, and saturation deficits

Humidity
Robertson, A. S.; et al., 1975, J. Med. Entom., v. 12 (5), 525-529
Amblyomma americanum, unfed male and female adults, daily and seasonal behavior in relation to temperature, humidity, and photoperiod in different habitats, behavioral patterns suggest activity regulation by body water content: Cookson Hills State Game Refuge, Cherokee County, Oklahoma

Humidity
Robertson, A. S.; et al., 1975, J. Med. Entom., v. 12 (5), 530-534
Amblyomma americanum, molting behavior of engorged nymphs and larvae in 2 contrasting habitats, effect of environmental conditions on molting time and post-molt activity: Cherokee Co., Oklahoma

Humidity
Rudolph, D.; and Knuelle, W., 1974, Nature, London (5452), v. 249, 84-85
ixodid ticks, water vapor uptake from atmosphere, site (mouthparts) and mechanism (may be related to hygroscopic properties of salivary secretion)

Humidity
Samish, M., 1977, Nature, London (5632), v. 270, 51-52
Theileria annulata, temperature of 37°C and relative humidity of 95% stimulates production of infective parasite forms in infected adult Hyalomma excavatum ticks without the need for a blood meal

Humidity
Samish, M., 1977, J. Protozool., v. 24 (4), 67A-68A [Abstract]
Theileria annulata, transmission by Hyalomma excavatum, high temperature and humidity may cause uninfective particles in unfed ticks to change into infective ones

Humidity
Shiranovich, P. I.; et al., 1977, Izvest. Akad. Nauk Azerbaidzhan. SSR, s. Biol. Nauk (2), 89-95
Siphonaptera of Meriones erythrourus, seasonal distribution, temperature and precipitation in relation to population dynamics of host, incidence of plague and its epizootiology: Transcaucasus

Humidity
Wilkinson, P. R., 1971, Acarologia, v. 12 (3), 492-508
Boophilus microplus, factors affecting distribution in RTS (reputed tick scarcity) areas as compared to tick infested areas in surrounding districts: Australia

Hungary
Edelenyi, B., 1974, Magy. Allatvilaga (Fauna Hungar.) (117), v. 2 (5), 343 pp.
Digenea, descriptions, hosts, keys, faunistic monograph: Hungary

Hungary
Gonda, E.; and Kecskemeti, I., 1972, Parasitol. Hungar., v. 5, 259-272
prevalence survey, intestinal parasites in school children in Veszperm County (Enterobius vermicularis; Hymenolepis nana; Trichuris trichiura; Ascaris lumbricoides)

Hungary
Juranyi, R.; and Kleeberg, V. S., 1972, Parasitol. Hungar., v. 5, 247-257
incidence survey, intestinal parasites in children in hospital wards: Budapest (Entamoeba histolytica; Giardia lamblia; Enterobius vermicularis; Ascaris lumbricoides; Trichuris trichiura; Taenia saginata; Hymenolepis nana)

Hungary
Murai, E., 1972, Parasitol. Hungar., v. 5, 47-81
tapeworms, geographic distribution and infection intensity in rodents of the genus Apodemus

Hybridization
Balashov, Iu. S., 1970, Parazitologiia, Leningrad, v. 4 (3), 274-282
experimental interspecific hybridization between Ornithodoros papillipes, O. tartakovskyi, and O. verrucosus, genetic and physical incompatibilities as possible natural mechanisms of reproductive isolation

Hybridization
Buckner, S. C.; and Nickol, B. B., 1975, J. Parasitol., v. 61 (6), 991-995
comparison of Moniliformis clarki and M. moniliformis reflects distinctness of species, definitive and intermediate host specificity, laboratory life cycles, failure to hybridize

Hybridization
Daskalov, P., 1974, Izvest. Tsentral. Khelmint. Lab., v. 17, 59-72
Ostertagia circumcincta, O. trifurcata, Teladorsagia davtiani, males crossed with different morphological types of female Ostertagia, no reproductive barriers between them, proposed that they be considered the Ostertagia circumcincta complex

Hybridization
Denham, D. A.; McGreevy, P. B.; and Suswillo, R. R., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 13-14 [Demonstration]
hybrid microfilariae obtained by cross-mating Brugia patei and B. pahangi

Hybridization
Graham, O. H.; Price, M. A.; and Trevino, J. L., 1972, J. Med. Entom., v. 9 (6), 531-537
Boophilus annulatus and B. microplus, cross-mating successful, sterility of males and reduced fertility of females of hybrid offspring, close relationship of species, reproductive isolation

Hybridization
Orlov, I. V.; Britov, V. A.; and Boev, S. N., 1976, Vestnik Sel'skokhoz. Nauki (243) (12), 61-68
Trichinella spp., experimental hybridization between species shows very limited crossing, reproductive isolation; useful technique for species diagnosis

Hybridization
Rollinson, D., 1976, Parasitology, v. 73 (2), iv [Abstract]
Eimeria mivati, E. acervulina, electrophoretic forms of enzymes, high frequency of interspecific variation, crosses produce strains characterized by glucose phosphate isomerase-2 (characteristic of E. acervulina) and ability to passage in eggs (E. mivati), results support Long's view that E. mivati Houghton isolate belongs to species E. acervulina

Hybridizaion
Setasuban, P., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 190-194
Ancylostoma caninum, A. tubaeforme, attempted experimental cross-breeding with failure to produce progeny even though the two strains copulated, egg production observed only in identical single-strain combinations supporting assumption that the two species are genetically separate

Hybridization
Southgate, V. R.; van Wijk, H. B.; and Wright, C. A., 1976, Ztschr. Parasitenk., v. 49 (2), 145-159
Schistosoma haematobium, S. intercalatum, incidence in children in 1972 compared with 1968, natural and experimental hybridization, increased incidence of S. haematobium probably resulting from introgressive hybridization following forest clearance and agricultural development which improved spread of its host snail: Loum, Cameroun

Hybridization
Triantaphyllou, A. C.; and Moncol., D. J., 1977, J. Parasitol., v. 63 (6), 961-973
Strongyloides ransomi, S. papillosus, chromosomal complement, gametogenesis, mode of reproduction, sex determination, hybridization tests

Hybridization
Walliker, D.; and Carter, R., 1973, J. Protozool., v. 20 (4), 529
Plasmodium vinckei chabaudi, demonstration of genetic recombination between two lines

Hybridization
Wright, C. A.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (5), 413-414 [Letter]
evidence of hybridization between Schistosoma haematobium and S. intercalatum with successful hybrid somewhat displacing the original S. intercalatum: Loum, Cameroon

Hybridization
Wright, C. A.; and Southgate, V. R., 1976, Symposia Brit. Soc. Parasitol., v. 14, 55-86
hybridization of schistosomes (history, reciprocity of interspecific pairings, egg morphology of hybrids, intermediate and definitive host infectivity of hybrids, behavior of hybrid cercariae, isoenzymes of hybrids), review with results of recent work on Schistosoma haematobium X S. intercalatum, practical implications, symposium presentation

Hydrogen ion concentration
Anderson, N.; Blake, R.; and Titchen, D. A., 1976, Parasitology, v. 72 (1), 1-12
Ostertagia circumcincta, sheep, repeated infections, food intake, total acid output of fundic pouches, pH of abomasal contents, plasma pepsinogen levels, effects reversed by thiabendazole treatment, secretory capacity of fundic pouches tested with pharmacologic agents and feeding

Hydrogen ion concentration
Anderson, W. I.; et al., 1977, Avian Path., v. 6 (2), 125-130
Eimeria meleagrimitis, E. gallopavonis, E. adenoeides, turkey poults, altered intestinal pH values

Hydrogen ion concentration
Aoki, Y., 1971, Nettai Igaku (Trop. Med.), v. 13 (4), 170-179
Wuchereria bancrofti, Brugia pahangi, exsheathing of microfilariae on thick blood film or on agar plate, effects of temperature, salinity, and pH

Hydrogen ion concentration
Asanji, M. F.; and Williams, M. O., 1975, Ztschr. Parasitenk., v. 47 (2), 151-163
trematode metacercarial excystment, enzymes, various non-enzymic media, temperature, pH, osmotic pressure, oxidation-reduction potential, ox bile as factors

Hydrogen ion concentration
Caley, J., 1975, Ztschr. Parasitenk., v. 47 (3), 217-235
Hymenolepis nana, comparison of cysticercoids from Tribolium confusum and mouse villi, electron microscopy; activation and excystation effects of bile salts, other surfactants, pH, succinic and lactic acid

Hydrogen ion concentration
Carter, R.; and Nijhout, M. M., 1977, Science (4276), v. 195, 407-409
Plasmodium gallinaceum, control of gamete formation (exflagellation) in vitro solely by change in pH in blood as it moves from environment of circulation to that of atmosphere, the pH rise being mediated by fall in carbon dioxide tension as blood equilibrates with atmosphere

Hydrogen ion concentration
Chen, P. S., 1976, Bull. Inst. Zool., Acad. Sinica, v. 15 (1), 21-28
Reesimermis nielseni as possible biological control agent for Culex pipiens fatigans: mass production; transstadial transmission; importance of water pH in limiting habitat range; field trials: Taiwan

Hydrogen ion concentration
Davydov, O. N., 1977, Gidrobiol. Zhurnal, v. 13 (1), 115-116
Bothriocephalus gowkongensis, determination of pH of cestode and of intestine of carp host, comparison of fed and starved carp

Hydrogen ion concentration
Dutta, G. P.; and Yadava, J. N. S., 1976, Indian J. Med. Research, v. 64 (2), 224-228
interrelationship of pH and oxidation-reduction potential on growth of axenic Entamoeba histolytica and the influence of pH on amoebicidal activity of drugs

Hydrogen ion concentration
Dvorak, J. A.; and Howe, C. L., 1977, J. Protozool., v. 24 (3), 416-419
Toxoplasma gondii in controlled-environment culture system, effect of various factors on penetration of host cells by parasites (bicarbonate ion, CO_2, pH, and host cell culture age)

Hydrogen ion concentration
Eaton, R. D. P., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (6), 554 [Letter]
Entamoeba histolytica, pH range for maximum growth of parasites in culture

Hydrogen ion concentration
Gall, Z.; and Hraste, J., 1969, Medicina, Rijeka, v. 6 (2), 157-163
survey of fauna of human oral cavity, Entamoeba gingivalis and Trichomonas elongata discovered mostly in presence of tooth decay and alkaline reactions: Rijeka, Yugoslavia

Hydrogen ion concentration
Głebśki, J., 1969, Acta Parasitol. Polon., v. 16 (1-19), 1968-1969, 127-130
Trichomonas intestinalis, hydrochloric acid and gastric juice of varying concentrations, in vitro, morphological changes and damage, effect on movements

Hydrogen ion concentration
van der Gulden, W. J. I.; and van Aspert-van Erp, A. J. M., 1976, Exper. Parasitol., v. 39 (1), 45-50
Syphacia muris, effect of external stimuli on egg hatching (enzymes of intestinal tract, temperature, pH, pCO_2, redox potential), results indicate hatching mechanism of oxyurids identical to that of various nematodes which hatch in intestinal tract but dependent on environment to appreciably lesser extent

Hydrogen ion concentration
Isoun, M. J.; and Isoun, T. T., 1974, Tropenmed. u. Parasitol., v. 25 (3), 283-287
Trypanosoma vivax, T. brucei, in vitro cultivation, improved survival and multiplication in MEM 199 medium buffered by HEPES in comparison to bicarbonate, importance of strict control of pH

Hydrogen ion concentration
Malherbe, W. D.; et al., 1976, J. South African Vet. Med. Ass., v. 47 (1), 29-33
Babesia canis, dogs, acid-base values for blood of poor-prognosis cases, supportive treatment with sodium bicarbonate reduced acidosis: Onderstepoort

Hydrogen ion concentration
Mason, P. R.; and Fripp, P. J., 1976, J. Parasitol., v. 62 (5), 721-727
Schistosoma mansoni, miracidial movement in relation to age, temperature, pH, light intensity, light shock, and snail-conditioned water, dark-ground photographic technique

Hydrogen ion concentration
Mazhuga, N. A., 1975, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 25, 98-101
Ascaris suum, proteolytic enzymes, optimal pH; action against synthetic substrate; activity distinct from that of trypsin of host

Hydrogen ion concentration
Mitterer, K.-E., 1975, Ztschr. Parasitenk., v. 47 (1), 35-43
Fasciola hepatica, egg hatching, CO$_2$ concentration, pH, light and darkness, temperature

Hydrogen ion concentration
Mitterer, K.-E., 1975, Ztschr. Parasitenk., v. 48 (1), 35-45
Dicrocoelium dendriticum miracidia, hatching with formic acid, caproic acid and intestinal juice of Helix pomatia, absence of O$_2$, presence of bacteria; indirect dependence on pH; permeabilities and osmotic pressure; hypothesis of hatching mechanism: granular gland activation releases enzyme, polysaccharide digested to oligosaccharide, rising osmotic pressure bursts operculum

Hydrogen ion concentration
Mohandas, A., 1974, Proc. National Acad. Sc. India, Sect. B, v. 44 (3), 139-144
cercariae, factors influencing emergence, behavior and viability

Hydrogen ion concentration
Motomura, I., 1967, Nettai Igaku (Trop. Med.), v. 9 (4), 201-225
Toxoplasma gondii, mice (exper.), survival comparisons of Beverley and RH strains under various physico-chemical conditions (osmotic pressure, pH, temperature, moisture, irradiation)

Hydrogen ion concentration
Nizami, W. A.; Siddiqi, A. H.; and Yusufi, A. N. K., 1975, J. Helminth., v. 49 (4), 281-287
comparison of alkaline phosphatase systems in 8 species of digenetic trematodes from different hosts and/or habitats, enzyme activity, pH and temperature optima, effect of chemicals

Hydrogen ion concentration
Parker, S.; and Croll, N. A., 1976, Exper. Parasitol., v. 40 (1), 80-85
Dictyocaulus viviparus, pepsin did cause exsheathment but was not an absolute requirement, exsheathment occurred in other proteases and in chitinase at appropriate pH optima, concluded that exsheathment in vivo is caused by host gut enzymes

Hydrogen ion concentration
Parsons, C. L.; Lofland, S.; and Mulholland, S. G., 1977, J. Urol., v. 118 (4), 621-622
human vaginal Trichomonas vaginalis and its effects on vaginal pH, possible implication as cause of recurrent cystitis in women

Hydrogen ion concentration
Podesta, R. B.; and Mettrick, D. F., 1976, Internat. J. Parasitol., v. 6 (2), 163-172
Hymenolepis diminuta, interrelationships between in situ fluxes of water, electrolytes, and glucose, hypothesis concerning function of hypertonic fluid absorption in acid-base regulation and energy metabolism

Hydrogen ion concentration
Pryce, R. N., 1976, J. South African Vet. Ass., v. 47 (4), 289-290
canine biliary fever, method of determining plasma bicarbonate levels as measure of pH of body fluids, aid in determining metabolic normality and success of treatment

Hydrogen ion concentration
Ramachandran, S.; Induruwa, P. A. C.; and Perera, M. V. F., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (2), 159-160
Entamoeba histolytica in humans, acidic pH of amoebic hepatic abscess exudate, diagnostic significance

Hydrogen ion concentration
Reichenbach-Klinke, H. H., 1975, Fisch u. Umwelt (1), 151-153
parasites of fish, control by manipulation of environmental factors (temperature, oxygen, light, pH)

Hydrogen ion concentration
Ross, G. W.; and Knight, R., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 560-567
Entamoeba histolytica, dietary factors affecting pathogenicity in rats, effect of low protein and low protein-high carbohydrate diets, measurements of bacterial flora, pH, and redox potential

Hydrogen ion concentration
Ruff, M. D.; et al., 1975, Avian Path., v. 4 (1), 73-81
Eimeria brunetti, effects on intestinal pH in conventional and gnotobiotic chickens

Hydrogen ion concentration
Ruff, M. D.; Witlock, D. R.; and Smith, R. R., 1976, Exper. Parasitol., v. 39 (2), 244-251
comparison of effects of Eimeria tenella and E. acervulina infection on methionine absorption by avian intestine: importance of gut region infected; specific kinetic parameters affected; effect of intestinal pH; morphological changes in intestinal mucosa which might account for transport changes

Hydrogen ion concentration
Schaffert, R.; and Strauch, D., 1976, Berl. u. Munchen. Tierarztl. Wchnschr., v. 89 (20), 399-402
Ascaris suum eggs in municipal sewage and pig slurry, rotating aeration, temperatures above 50° C necessary for egg destruction, pH not significant

Hydrogen ion concentration
Smales, L. R.; and Sommerville, R. I., 1977, Internat. J. Parasitol., v. 7 (3), 205-209
Labiostrongylus eugenii, exsheathment, important components of stimulus were pCO$_2$, pH, and temperature, similar to trichostrongylids

Hydrogen ion concentration
Sommerville, R. I., 1977, J. Parasitol., v. 63 (2), 344-347
Haemonchus contortus, development in vitro, effect of rumen fluid and of a succession of media which incorporated changes in pH, pCO_2, and pO_2 likely to be encountered in transition from rumen to abomasum

Hydrogen ion concentration
Soria, C. A.; and Dusanic, D. G., 1975, J. Protozool., v. 22 (4), 509-513
Trypanosoma vespertilionis and T. dionisii in culture compared, population density, morphologic alterations, changes in glucose consumption and pH of media, antigenic analysis

Hydrogen ion concentration
Thomas, R. J.; and Waller, P. J., 1975, Vet. Rec., v. 97 (24), 468-471
Ostertagia circumcincta, lambs naturally infected on pasture from spring to autumn, faecal egg counts, worm counts, serum pepsinogen levels, body weights, correlations; serum pepsinogen estimations as possible diagnostic test

Hydrogen ion concentration
Undeen, A. H., 1976, J. Invert. Path., v. 27 (3), 343-347
in vivo germination of Nosema algerae in mosquitoes, role in host susceptibility (Anopheles stephensi and A. albimanus most susceptible; A. quadrimaculatus and Culex pipiens relatively unsusceptible; A. atroparvus almost completely refractory), differences in midgut pH and passage rate through midgut not accountable for differences in spore germination percentages

Hydrogen ion concentration
Voorheis, H. P., 1977, Biochem. J., v. 164 (1), 15-25
Trypanosoma brucei, changes in kinetic behaviour of threonine transport elicited by variation in hydrogen ion concentration

Hydrogen ion concentration
Williams, S. G.; and Fanimo, O., 1975, Ann. Trop. Med. and Parasitol., v. 69 (3), 301-309
Plasmodium berghei, intracellular pH of rat erythrocytes parasitized with chloroquine-sensitive vs. resistant strains, no evidence to support hypothesis that intracellular pH of drug resistant strains is higher than that for sensitive strains

Hygiene. See Sanitation.

Hyperparasitism
Ball, I. R.; and Khan, R. A., 1976, J. Fish. Biol., v. 8 (5), 419-426
hyperparasitism of Micropharynx parasitica by Steinella

Hyperparasitism
Basch, P. F., 1971, Nature (5320), v. 233, 492-493
Schistosoma spindale, infection of adult worms with gram-positive cocci, highly invasive and pathogenic, likely that bacteriaemia in mouse host led to infection of schistosomes

Hyperparasitism
Basch, P. F.; and DiConza, J. J., 1975, J. Parasitol., v. 61 (6), 1044-1047
predation by Echinostoma paraensei rediae upon Schistosoma mansoni mother and daughter sporocysts in vitro in absence of all host substances, cannibalism of rediae not observed

Hyperparasitism
Beaucournu, J. C.; and Deunff, J., [1976], Ann. Parasitol., v. 50 (6), 1975, 831-835
parasites of fleas, importance of immediate examination and proper preparation techniques, summary of some findings in France including parasitic castration of fleas by hyperparasites

Hyperparasitism
Bekkouche, Z.; and Dupouy, J., 1976, Ztschr. Parasitenk., v. 48 (3-4), 298-299 [Abstract]
Polystoma integerrimum, bacteria in cytoplasm of somatic cells and ovocytes, no cell alteration, may be considered symbiotic

Hyperparasitism
Bird, R. G.; and McCaul, T. F., 1976, Ann. Trop. Med. and Parasitol., v. 70 (1), 81-93
presence of rhabdoviruses in Entamoeba histolytica and E. invadens, possible role in pathogenicity

Hyperparasitism
Blagoveshchenskii, D. I., 1970, Parazitologiia, Leningrad, v. 4 (3), 265-266
Hypoderma bovis parasitized by Trichopria sp. (Hymenoptera): USSR

Hyperparasitism
Brinck-Lindroth, G.; and Smit, F. G. A. M., 1973, Entom. Scand., v. 4 (4), 302-322
Amphipsylla sibirica sibirica from small mammals, castration and intersexuality due to hyperparasitism by nematodes, morphological changes: northern Scandinavia

Hyperparasitism
Canning, E. U.; Lai Peng Foon; and Lie Kian Joe, 1974, J. Protozool., v. 21 (1), 19-25
microsporidian parasites of trematodes from aquatic snails, pathology: West Malaysia

Hyperparasitism
Canning, E. U.; and Madhavi, R., 1977, Parasitology, v. 75 (3), 293-300
Unikaryon allocreadii and Nosema gigantica spp. nov. hyperparasitizing Allocreadium fasciatusi in Aplocheilus melastigma, prevalence, hatching of spores, pathogenicity, possible mode of transmission: India

Hyperparasitism
Chang, K.-P., 1974, J. Protozool., v. 21 (5), 699-707
ultrastructural evidence suggests that bipolar bodies of Crithidia oncopelti and diplosomes of Blastocrithidia culicis are endosymbiotic bacteria with defective cell walls and that they are subject to destruction by treatment with chloramphenicol but not penicillin

Hyperparasitism
Ciampor, F.; and Nosek, J., 1976, Acta Virol., Internat. J., English ed., v. 20 (5), 439-441
Dermacentor marginatus, presence of virus-like particles and rickettsia-like structures discovered in nymph gut cells

Hyperparasitism
Codreanu-Balcescu, D.; and Codreanu, R., 1976, J. Protozool., v. 23 (4), 8A [Abstract]
Pleistophora hyperparasitica (hyperparasite in Enterocystis rhithrogenae), ultrastructure: Sinaia, Roumanie

Hyperparasitism
Colley, F. C.; Lim, H. K.; and Lie, K. J., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (1), 142-143
Nosema eurytremae found in tissue of Bradybaena similaris (epicardium, pericardium) as well as hyperinfecting Postharmostomum gallinum, first evidence that Nosema life cycle can be completed in snail tissue

Hyperparasitism
Colley, F. C.; and Ow-Yang, C. K., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 270-271 [Demonstration]
survey of microsporidan hyperparasites of trematode larvae from Malaysian snails, morphometric comparisons

Hyperparasitism
Davies, E. E.; and Howells, R. E., 1976, Ztschr. Parasitenk., v. 48 (3-4), 297 [Abstract]
Plasmodium berghei and associated infections in Anopheles stephensi mid-gut: rickettsial-like particles, no concomitant infection; virus-like particles within morphologically abnormal oocysts and similar particles within mid-gut epithelial cells; virus-like particles in mid-gut epithelial cells but not in oocysts

Hyperparasitism
Devauchelle, G.; and Vinckier, D., 1976, Ztschr. Parasitenk., v. 48 (3-4), 297-298 [Abstract]
Nosema vivieri in gregarines of nemerteans; bacteria in gregarines of Lithobia, earthworms and flourworms

Hyperparasitism
Diamond, L. S.; and Mattern, C. F. T., 1976, Advances Virus Research, v. 20, 87-112
protozoal viruses, review

Hyperparasitism
Doube, B. M.; and Heath, A. C. G., 1975, J. Med. Entom., v. 12 (4), 443-447
Haemaphysalis, Ixodes, parasitization by wasp, Hunterellus sp., seasonal distribution of wasp and ticks

Hyperparasitism
Elsdon-Dew, R., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (3), 265
Entamoeba histolytica, hypothesis that commensal amoebiasis becomes an invasive infection in the presence of a hyper-parasitic virus

Hyperparasitism
Fournier, A.; Combes, C.; and Vago, C., 1975, Compt. Rend. Acad. Sc., Paris, v. 281, s. D, Sc. Nat. (23), 1895-1896
Euzetrema knoepffleri, pathogenic intracellular bacteria in tissues, present during all stages of life-cycle, transmitted by gametes

Hyperparasitism
Fournier, A.; Vago, C.; and Combes, C., 1976, Ztschr. Parasitenk., v. 48 (3-4), 298 [Abstract]
Euzetrema knoepffleri, procaryote of bacterial type in cell cytoplasm, particularly gonads, possible pathogenicity

Hyperparasitism
Higby, G. C.; and Canning, E. U., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 16 [Demonstration]
attempted use of Nosema eurytremae as biological control measure against larval stage of Fasciola hepatica

Hyperparasitism
Hominick, W. M., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 383 [Demonstration]
Thelastoma sp., bacterial infection of cuticle of pinworms inhabiting hindgut of laboratory reared Periplaneta americana, bacterial preference for Thelastoma sp. over Hammerschmidtiella diesingi possibly related to structure of cuticle

Hyperparasitism
Krinsky, W. L.; and Burgdorfer, W., 1976, J. Parasitol., v. 62 (5), 824-825
trypanosomes, similar to Trypanosoma theileri-like forms in naturally infected Amblyomma americanum and experimentally infected Ornithodoros moubata (hemolymph of both): Cherokee County, Oklahoma

Hyperparasitism
Kozek, W. J., 1977, J. Parasitol., v. 63 (6), 992-1000
Brugia malayi, adults and all larval stages harbor intracytoplasmic bacterial organisms that appear to be transovarially transmitted and show special preference for lateral chords and for germinal tissues of females

Hyperparasitism
Lichtenfels, J. R.; et al., 1976, Tr. Am. Micr. Soc., v. 95 (2), 265-266 [Abstract]
anisakid larvae, resembles Paranisakiopsis, from commerically important shellfish, description of 4th stage, nearly 100% hyperparasitized by haplosporidan: coastal waters from New Jersey to North Carolina

Hyperparasitism
Lie, K. J.; Kwo, E. H.; and Ow-Yang, C. K., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (2), 237-243
Schistosoma spindale, studies in biological control by trematode antagonism with Echinostoma malayanum, P[erezia] helminthorum infection of trematode larvae leading to suppression of cercarial production and reduction in vector snail population due to parasitic castration and high mortality of infected snails

Hyperparasitism
Lim, H. K.; et al., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (1), 133 [Demonstration]
Nosema eurytremae, hyperparasite of Malaysian snails (Indoplanorbis exustus) also transmissible to several trematode species in Biomphalaria glabrata (exper.)

Hyperparasitism
Londono M., I., 1976, J. Parasitol., v. 62 (5), 786-788
Ornithodoros tartakowskyi, transmission of Dipetalonema viteae by small ticks feeding on engorged larger infected ticks, normal development with subsequent transmission to jirds; elimination of microfilariae in coxal fluid as a possible mechanism to prevent hyperinfection

Hyperparasitism
Mattern, C. F. T.; and Diamond, L. S., 1976, Ztschr. Parasitenk., v. 48 (3-4), 296-297 [Abstract]
Entamoeba histolytica, axenically cultivated strains, virus isolated, possibly lysogenic relationship

Hyperparasitism
Michelson, E. H., 1976, J. Parasitol., v. 62 (4), 648-649
Schistosoma mansoni, exper. infections in Biomphalaria havanensis (a potential intermediate host from Haiti), presence of microsporidian-like organism which attacked trematode sporocysts and snail tissue

Hyperparasitism
Michajlow, W.; and Wita, I., 1976, Bull. Acad. Polon. Sc., Cl. II, s. Sc. Biol., v. 24 (2), 113-116
Ergasilus sieboldi and its hyperparasite Paradistigma triangulatum, survival in water contaminated with Vapam at various concentrations

Hyperparasitism
Molyneux, D. H., 1976, Ztschr. Parasitenk., v. 48 (3-4), 296 [Abstract]
Leishmania hertigi, virus-like particles in promastigotes, brief description

Hyperparasitism
Moorhouse, D. E.; and Heath, A. C. G., 1975, J. Med. Entom., v. 12 (5), 571-572
evidence of parasitism of female ticks by males of the genus Ixodes, possible implications for transmission of disease agents

Hyperparasitism
Mundim, M. H.; et al., 1974, J. Protozool., v. 21 (4), 518-521
Crithidia deanei, cultivation in defined medium, unexpectedly simple nutritional requirements, bacterial endosymbiont revealed by electron microscopy may provide other essential nutrients

Hyperparasitism
Nalin, D. R.; and McLaughlin, J., 1976, J. Parasitol., v. 62 (5), 839-841
Ascaris lumbricoides adults found to be colonized by Vibrio cholerae when isolated from cholera patients: Bangladesh

Hyperparasitism
Overstreet, R. M., 1976, J. Parasitol., v. 62 (5), 680-684
Fabespora vermicola sp. n. hyperparasitism in Crassicutis archosargi acts as biological control agent by stopping reproduction of digenean host

Hyperparasitism
Overstreet, R. M., 1976, J. Parasitol., v. 62 (5), 702-708
Crassicutis archosargi, redescription, occurrence of numerous unidentified refractile bodies in tegument and other tissues, binding to host intestine by adhesive tegument, hyperparasitism by myxosporidan and Hexamita sp.

Hyperparasitism
Palmieri, J. R.; Cali, A.; and Heckmann, R. A., 1976, J. Parasitol., v. 62 (2), 325-326
Diplostomum spathaceum in Lymnaea auricularia, experimental biological control by protozoan hyperparasite (Nosema strigeoideae)

Hyperparasitism
Perkins, F. O.; Zwerner, D. E.; and Dias, R. K., 1975, J. Parasitol., v. 61 (5), 944-949
Urosporidium spisuli sp. n., hyperparasite of anisakids (pseudocoel) in surf clams, no potential health hazard from ingesting clams since they are temperature treated during commercial processing: vicinity Chesapeake Light, off Cape Henry, Virginia, N. Atlantic Ocean

Hyperparasitism
Poinar, G. O., jr.; and Hess, R., 1977, Nature, London (5599), v. 266, 256-257 [Letter]
Romanomermis culicivorax, preparasitic juveniles contained virus-like particles in hypodermal cords, damage could lower efficiency of this nematode as biological control agent

Hyperparasitism
Terzakis, J. A.; Vanderberg, J. P.; and Weiss, M. M., 1976, J. Parasitol., v. 62 (3), 366-371
ultrastructural appearance of viruslike particles in several Plasmodium spp. at different times in sporogony

Hyperparasitism
Vivares, C. P., 1976, Ztschr. Parasitenk., v. 48 (3-4), 298 [Abstract]
Pachyporospora retorta, nucleus containing cristalloids composed of thousands of particles, possibly of viral origin

Hyperparasitism
Young, S. W.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (6), 797-802
Schistosoma mansoni, Salmonella paratyphi A cultured from tegument of worms removed from patients with chronic salmonellosis, worms incubated with salmonella in vitro, and worms from mice previously inoculated with salmonella

Hyperparasitism
Young, S. W.; Hagashi, G.; and Kamel, R., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 437 [Demonstration]
Schistosoma mansoni from 2 patients with chronic salmonellosis, tegumental colonization of schistosomes by Salmonella paratyphi A

Hyperparasitism
Zierdt, C. H.; and Tan, H., 1976, Exper. Parasitol., v. 39 (3), 422-430
Blastocystis hominis, 8 axenically grown strains, presence of intracellular bacteria-like spheres and rods, direct relationship between increasing endosymbiont numbers and increasing B. hominis cell size, effect of 3 antibiotics on B. hominis and its endosymbiont

Hypersensitivity, Delayed. See Immunity, Cell-mediated.

Hypersensitivity, Immediate. See Immunity, Allergy.

Hypobiosis. See Development.

Iakutskaia ASSR. See Russia, Yakutsk ASSR.

Idaho. See United States, Idaho.

Identification. See Diagnosis.

Illumination. See Light.

Immobilization test. See Immunity, Immobilization.

Immunity. [See also Interferon; Mast cells; Proteins, Blood; Resistance, Host]

Immunity
Aalberse, R. C.; Brummelhuis, H. G. J.; and Reerink-Brongers, E. E., 1973, Immunochemistry, v. 10 (5), 295-303
plasma from patients with Schistosoma mansoni and tropical eosinophilia probably due to a microfilaria infection, purification of polyclonal IgE by immunosorption

Immunity
Abdalla, R. E.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 549-559
cutaneous leishmaniasis, human, epidemiology, clinical features, pathology, immunology, treatment with sodium stibogluconate; leishmanin skin test survey of 560 individuals: Sudan

Immunity
Abdalla, R. E.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (5-6), 443-449
human mucosal leishmaniasis, possibly Leishmania donovani, distribution, clinical features, pathology, immunology, sodium stibogluconate: Sudan

Immunity
Abd El-Fattah, M. M., 1973, Med. J. Cairo Univ., v. 41 (4), 331-338
effect of protein level in diet and host age on antibody production, Schistosoma mansoni-infected mice

Immunity
Abrahamsohn, I. A.; and da Silva, W. D., 1977, Parasitology, v. 75 (3), 317-323
Trypanosoma cruzi, antibody-dependent cell-mediated cytotoxicity against epimastigotes by normal mouse splenic lymphocytes

Immunity
Abu Ali, N.; et al., 1976, Vet. Parasitol., v. 1 (4), 309-316
Eimeria tenella, chickens inoculated orally vs. subcutaneously, comparison of circulating antibody response using fluorescent antibody titration

Immunity
Ackerman, S. B.; and Page, C. R., III, 1976, J. Parasitol., v. 62 (1), 157-159
schistosomiasis mansoni and japonicum in intact and splenectomized Microtus montanus compared with mice (all exper.), susceptibility, worm burdens, splenic involvement, vole as suitable host for investigating immune response to human schistosomes and exper. model for concomitant infections of schistosomes and plasmodia or trypanosomes

Immunity
Adams, A. C.; John, D. T.; and Bradley, S. G., 1976, Infect. and Immun., v. 13 (5), 1387-1391
Naegleria fowleri, mice (exper.), course of disease dependent upon infecting dose, no significant modification of resistance by bacterial endotoxin or other test substances, high resistance to challenge in mice that survived primary infection

Immunity
Adams, D. B.; and Cripps, A. W., 1977, Austral. J. Exper. Biol. and Med. Sc., v. 55 (5), 509-522
Trichostrongylus colubriformis-infected sheep, cellular changes in intestinal lymph, diminished traffic of lymphocytes in intestinal lymph and reduced numbers of mitogen and nematode antigen-reactive lymphocytes in both blood and intestinal lymph during early stages of infection are closely related to slow development of protective immunity

Immunity
Ahluwalia, S. S., 1972, Indian J. Animal Sc., v. 42 (11), 962-964
Schistosoma incognitum, Macaca mulatta (exper.), infection tolerated for 3-4 weeks with sudden termination without becoming patent, subsequent resistance to challenge infection, negative Cercarien-Hullen reaction and intradermal test

Immunity
Aitken, M. M.; et al., 1976, Brit. Vet. J., v. 132 (1), 119-120
Fasciola hepatica, cattle (exper.), increased susceptibility to Salmonella dublin

Immunity
Al-Baldawi, F. A. K.; et al., 1976, Parasitology, v. 73 (2), xviii [Abstract]
Litomosoides carinii in protein-deficient cotton rats, immune response assessed by measuring IgG, IgM, and anaphylactic antibody level

Immunity
Alexander, J.; and Phillips, R. S., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 273 [Demonstration]
Trypanosoma brucei in mice suppresses growth of cutaneous nodules caused by Leishmania spp., subcurative treatment of T. brucei with Berenil allowed nodule to recommence growth but when trypanosome infection relapsed the lesion again stopped growing, possible mechanism, no evidence of cross-immunity

Immunity
Alexander, J.; and Phillips, R. S., 1975, J. Protozool., v. 22 (3), 48A [Abstract]
Leishmania mexicana, immunity in mice, cross-protection between L. tropica major and L. mexicana

Immunity
Alger, N. E.; and Harant, J., 1976, Exper. Parasitol., v. 40 (2), 269-272
Plasmodium berghei, mice immunized by repeated ip injections of normal mosquito salivary glands or heads were protected from ip sporozoite challenge but not from iv sporozoite challenge, suggested that hypersensitive Type 1 reaction may explain part of this protection

Immunity
Alger, N. E.; and Harant, J. 1976, Exper. Parasitol., v. 40 (2), 273-280
Plasmodium berghei, mice, concluded that hypersensitivity may possibly be at least partly responsible for protection by injections of 70 mosquito salivary glands but that sporozoite immunity is not primarily due to hypersensitivity

Immunity
Allison, A. C.; and Clark, I. A., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 216-222
specific and non-specific immunity to haemoprotozoa with emphasis on malaria and Babesia infections, workshop report: inherited differences in erythrocytes which influence susceptibility; specific responses of B- and T-lymphocytes to parasite antigens; macrophage activation

Immunity
Allonby, E. W.; and Urquhart, G. M., 1975, Vet. Parasitol., v. 1 (2), 129-143
Haemonchus contortus, Merino ewes and their lambs, epidemiology and pathogenic significance, faecal egg counts, worm burdens, haematological indices, clinical signs, levels of infective larvae on pasture, classical acute haemonchosis occurred during high rainfall periods, self-cure confirmed as flock phenomenon, importance of moderate infections: Naivasha, Kenya

Immunity
Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 249 pp, illus.
Immunology of Parasitic Infections: Report of a Workshop (Bethesda, Maryland, June 1-3, 1977)

Immunity
Amborski, G. F.; Bello, T. R.; and Torbert, B. J., 1974, Am. J. Vet. Research, v. 35 (9), 1181-1188
Strongylus vulgaris, more adverse host reaction in parasite-free ponies than in ponies sensitized by previous natural infection, changes in serum glycoprotein patterns may be related to arterial damage associated with larval migrations

Immunity
Ambroise-Thomas, P.; et al., 1976, Bull. World Health Organ., v. 54 (4), 355-367
human malaria, extensive sero-epidemiologic survey (6 surveys at 6-month intervals using peripheral blood examination and fluorescent antibody technique) to evaluate past and present status of malarial infection in Tunisia

Immunity
Ambroise-Thomas, P.; and Andrews, P., 1976, Tropenmed. u. Parasitol., v. 27 (4), 483-488
Schistosoma mansoni, mice, development of fluorescent antibodies directed against larval stages, eggs, and adults, stronger serologic reaction in bisexual vs. unisexual infections, anti-male antibodies present in higher concentration than anti-female antibodies

Immunity
Andersen, K., 1976, Fauna, Oslo, v. 29 (1), 1-20
helminth adaptation to life in vertebrate intestine, cysts, attachment organs, structure of tegument, immune response, site selection, evolution, extensive review

Immunity
Anderson, J.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (3), 209-222
Onchocerca volvulus, survey of total populations aged 5 years and older in 16 villages of rain-forest and savanna zones, standard techniques used to assess intensity of infection, clinical manifestations; differences thought to be influenced by hormonal factors, strain pathogenicity, transmission patterns: United Cameroon Republic

Immunity
Anderson, R.; et al., 1976, J. Immunol., v. 117 (2), 428-432
levamisole stimulating neutrophil motility in vitro, maintenance of cGMP levels in chemotactically stimulated levamisole-treated neutrophils

Immunity
Anderson, S. E., jr.; Bautista, S. C.; and Remington, J. S., 1976, Clin. and Exper. Immunol., v. 26 (3), 375-380
specific antibody-dependent killing of Toxoplasma gondii by normal macrophages

Immunity
Anderson, W. I.; et al., 1977, Avian Dis., v. 21 (4), 637-641
Eimeria tenella, development of immunity in chicks experimentally infected with infectious bursal disease virus at various times before and during coccidial challenge, results indicate that viral infection prior to or concurrent with Eimeria tenella immunization significantly reduced immune protection

Immunity
Arambulo, P. V. III; Cabrera, B. D.; and Alge, M. H., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (1), 9-11
Toxoplasma gondii, serologic survey of market-age pigs for evidence of toxoplasmosis using the indirect hemagglutination test: Philippine Islands

Immunity
Araujo, F. G.; and Nascimento, E., 1977, J. Parasitol., v. 63 (6), 1120-1121
parasitemia by Trypanosoma cruzi lower in mice chronically infected with Toxoplasma gondii than in controls, mortality rate similar

Immunity
Araujo, F. G.; and Remington, J. S., 1975, J. Immunol., v. 115 (2), 335-338
Toxoplasma gondii, newborn rabbits, passively administered IgG significantly suppresses IgM antibody response, results may explain absence of IgM antibody response in congenitally infected human infants by suppressive effect of maternally-transmitted IgG

Immunity
Armour, J.; and Dargie, J. D., 1973, Ann. Fac. Med. Vet. Torino, v. 20, Suppl., 135-147
Fasciola hepatica, natural and acquired immunity, both humoral and cellular immunity involved in development of acquired resistance in cattle, sheep and rats, review

Immunity
Arthur, D. R., 1973, J. Wildlife Dis., v. 9 (1), 74-84
tick-host-disease relationships, review

Immunity
Aryeetey, M. E.; and Piekarski, G., 1976, Ztschr. Parasitenk., v. 50 (2), 109-124
Sarcocystis fusiformis, humans, immunity manifested in reaction to indirect immunofluorescence test but not in reduced level of fecal sporocysts after reinfection; rats fed sausage infected with S. fusiformis or S. tenella showed negative reaction to Sarcocystis antigen

Immunity
Bachmann, A. W.; et al., 1977, Tropenmed. u. Parasitol., v. 28 (3), 361-366
Babesia argentina, experimental infection in Droughtmaster cattle which are somewhat resistant to babesiosis, no apparent correlation between hemoglobin types and resistance to infection

Immunity
Bailenger, J.; and Cabannes, A., 1976, Ann. Parasitol., v. 51 (5), 563-576
Strongyloides ratti, lactating rats, inhibition of self-cure, decrease in intensity of parasitemia, plasma corticosteroid levels

Immunity
Bailenger, J.; and Faraggi, G., 1975, Ann. Parasitol., v. 50 (2), 199-208
Strongyloides ratti, rats (exper.), reserpine treatment inhibits self-cure reaction and causes hypercorticosteronemia, implications for role of hypocorticosteronemia normally associated with this parasite

Immunity
Baker, J. R.; and Green, S. M., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 265-266 [Abstract]
failure to demonstrate specific lymphocyte-mediated cytotoxicity to Trypanosoma dionisii-infected macrophage cultures

Immunity
Baker, J. R.; and Taylor, A. E. R., 1971, Ann. Trop. Med. and Parasitol., v. 65 (4), 471-485
Trypanosoma brucei brucei- and T. brucei rhodesiense-infected Pan troglodytes (exper.), course of infection, serologic relationships between trypanosome species and strains, blood changes, cerebrospinal fluid changes, post-mortem observations

Immunity
Balamuth, W.; and Siddiqui, W. A., 1970, Immun. Parasitic Animals (Jackson, Herman and Singer), v. 2, 439-468
Entamoeba histolytica, Balantidium coli, human, immunology, review

Immunity
Baldo, B. A.; and Fletcher, T. C., 1973, Nature (5429), v. 246, 145-146
evidence of C-reactive protein-like precipitins in Pleuronectes platessa serum, reaction with Ascaris lumbricoides extract, possibility that these non-antibody precipitins form part of the fishes' humoral defenses against invasion by parasites

Immunity
Bannister, L. H., 1977, Symposia Brit. Soc Parasitol., v. 15, 27-55
Plasmodium, invasion of red cells, symposium presentation: process of invasion (structure and formation of merozoites; release of merozoites from schizont; extracellular transit; adhesion to new host cell; invasion (theories of red cell deformation, removal of cell coat, passage of merozoite into parasitophorous vacuole, comparison with invasion in other genera of coccidians, recognition of red cell by merozoites); transformation of merozoites into trophic parasite); immunological aspects of invasion

Immunity
Barbotin, M.; and Oudart, J. L., 1972, Nouv. Presse Med., v. 1 (17), 1162 [Letter]
possible correlations between human intestinal helminthiasis in the presence of hypereosinophilia and the presence of Australia antigen

Immunity
Barbotin, M.; Oudart, J. L.; and Marty, M., 1972, Nouv. Presse Med., v. 1 (36), 2392-2394
frequency of occurrence of Australia antigen in hospitalized Africans, correlations with frequency of intestinal helminthiasis where skin was the portal of entry

Immunity
Barker, L. R., 1971, Tr. Roy. Soc. Trop. Med. and Hyg., v. 65 (5), 586-590
Plasmodium berghei yoelii, mice, primary infection, antibody synthesis and protection persisted at least 17 months, cross-protection against virulent isolate of parent strain but not against P. berghei berghei, not possible to detect persisting antigen or persisting infectious organisms in immune mice

Immunity
Barnwell, J. W.; and Desowitz, R. S., 1977, Ann. Trop. Med. and Parasitol., v. 71 (4), 429-433
Plasmodium berghei, mice (exper.), identification of indicators of impending parasitic crisis (penultimate stage)

Immunity
Baron, J.; et al., 1969, Pediatrics, Am. Acad. Pediat., v. 44 (6), 932-939
Toxoplasma gondii, survey of microcephalic, mentally retarded and normocephalic children for evidence of Toxoplasma antibodies, no correlation between abnormality and serologic findings

Immunity
Baron, R. W.; and Tanner, C. E., 1977, Internat. J. Parasitol., v. 7 (6), 489-495
Echinococcus multilocularis, protoscolicidal activity of infected mouse peritoneal cells, effector cell is activated macrophage, preincubation of protoscolices in immune serum increases their susceptibility, macrophages activated nonspecifically by BCG or Taenia crassiceps also exhibit protoscolicidal activity in vitro

Immunity
Barr, A. R., 1975, Invert. Immun. (Maramorosch and Shope), 129-135
evidence for genetic control of invertebrate immunity and its possible field significance, review

Immunity
Barratt, M. E. J., 1972, Immunology, v. 22 (4), 601-614
Metastrongylus spp., pigs, immediate hypersensitivity, production and partial characterization of homocytotropic antibody, passive transfer of skin sensitivity to uninfected recipients, homocytotropic activity closely associated with but does not parallel distribution of IgA and may be mediated by another immunoglobulin

Immunity
Barriga, O. O., 1972, Bol. Chileno Parasitol., v. 27 (1-2), 42-52
parasitic diseases, molecular basis of immunodiagnostic tests, review

Immunity
Barrowman, P. R., 1976, Onderstepoort J. Vet. Research, v. 43 (2), 55-65
Trypanosoma equiperdum in naturally infected horses, transmission studies, clinical symptoms and lesions, localization of parasite, host immune response, methods for parasite detection, varying results of chemotherapy with MSbE; attempts to infect rats, rabbits, and a dog were unsuccessful: South Africa

Immunity
Barry, J. D.; and Vickerman, K., 1977, Parasitology, v. 75 (2), xxx [Abstract]
Trypanosoma brucei, effects of antibodies on surface, "capping"

Immunity
Barry, J. D.; and Vickerman, K., 1977, J. Protozool., v. 24 (4), 42A [Abstract]
Trypanosoma brucei, short stumpy forms (SSF) of a particular parasitaemic peak are of same variable antigen type as their long slender predecessors, SSF appear more resistant to host antibodies possibly as a result of binding host serum components

Immunity
Basch, P. F., 1976, Exper. Parasitol., v. 39 (1), 150-169
Schistosoma mansoni, intermediate host specificity (Biomphalaria), extensive review

Immunity
Beauvais, B.; et al., 1976, N. Rev. Franc. Hematol., v. 16 (2), 169-184
high serologic titers to toxoplasmosis frequently greater among persons suffering from chronic myeloid leukemia than other persons, therefore leucocyte transfusions from one leukemic to another may be source of infection, pre-transfusion study advised; case report of post-transfusional toxoplasmosis: France

Immunity
Bedrnik, P., 1975, J. Protozool., v. 22 (3), 58A [Abstract]
Eimeria tenella, successful propagation in tissue cultures derived from immune chickens suggests predominant role of circulating antibodies in immunity against coccidia

Immunity
Bedrnik, P., 1977, J. Protozool., v. 24 (2), Suppl., 12A-13A [Abstract]
Eimeria tenella, failure to transfer immunity with immune spleen lymphocytes in vitro or in vivo (chicks)

Immunity
Befus, A. D., 1977, Exper. Parasitol., v. 41 (1), 242-251
Hymenolepis diminuta-, H. microstoma-infected mice, distribution and abundance of immunoglobulins in intestinal wall and lumen, immunoglobulin binding to worm tegumental surfaces

Immunity
Behnke, J. M., 1976, J. Helminth., v. 50 (3), 197-202
Aspiculuris tetraptera in wild Mus musculus of different ages, prevalence and level of infection decreased in older animals, either innate or acquired resistance could account for observations

Immunity
Behnke, J. M., 1977, Parasitology, v. 75 (2), xv [Abstract]
Nematospiroides dubius, inhibition of larval development in immune mice, transfer of immunity by immune serum and syngeneic mesenteric lymph node cells

Immunity
Behnke, J. M.; et al., 1976, Parasitology, v. 73 (2), xv [Abstract]
Trichinella spiralis expulsion from mice, effect on concurrent helminth infections (Hymenolepis diminuta, H. microstoma, Aspiculuris tetraptera)

Immunity
Behnke, J. M.; Bland, P. W.; and Wakelin, D., 1977, Parasitology, v. 75 (1), 79-88
rejection phase of Trichinella spiralis infection in mice had marked negative effect on growth and survival of Hymenolepis diminuta, this effect was not mediated by direct cross-immunity nor was it a direct consequence of inter-specific competition

Immunity
Behnke, J. M.; and Wakelin, D., 1977, J. Helminthol., v. 51 (3), 167-175
Nematospiroides dubius, stimulation of acquired immunity in inbred strains of mice

Immunity
Belehu, A.; Poulter, L. W.; and Turk, J. L., 1976, Clin. and Exper. Immunol., v. 24 (1), 125-132
Leishmania enriettii, guinea pigs, pretreatment with cyclophosphamide, increased intensity of initial lesion and increased incidence of widespread metastases, decreased levels of circulating antibody, possible differential roles of cell-mediated immunity and humoral antibody in cutaneous leishmaniasis

Immunity
Benjamini, E.; and Feingold, B. F., 1970, Immun. Parasitic Animals (Jackson, Herman and Singer), v. 2, 1061-1134
immunity to arthropods, review

Immunity
Bennett, J. L.; and Seed, J. L., 1977, J. Parasitol., v. 63 (2), 250-258
Schistosoma mansoni, epidermis of adult male worms, characterization and isolation of concanavalin A binding sites, appear to be 2 or 3 high molecular weight glycoproteins, discussion of possible immunological significance

Immunity
Beresky, M. A.; and Hall, D. W., 1977, J. Invert. Path., v. 29 (1), 74-80
Neoaplectana carpocapsae-infected Aedes aegypti larvae, phenylthio urea treatment reduced nematode encapsulation and melanization and mosquito mortality, possible explanations

Immunity
Berezantsev, Iu. A.; and Oparin, E. N., 1976, Dokl. Akad. Nauk SSSR, v. 226 (5), 1236-1239
Schistocephalus solidus, Diphyllobothrium latum, Hydatigera taeniaeformis, inhibition of leucocyte chemotaxis by parasite exometabolites, these exometabolites (telergones) are thermostable, non-protein in nature, dialyzable, and are not volatile fatty acids

Immunity
Beverley, J. K. A.; et al., 1977, Research Vet. Sc., v. 23 (1), 33-37
Toxoplasma gondii, low-virulence strain in calves (exper.), circulating antibody response, organism only recovered from lymph nodes and this only during first four weeks, no tissue cysts demonstrated and only few inflammatory lesions occurred

Immunity
Bezjak, B., 1975, Am. J. Trop. Med. and Hyg., v. 24 (6, pt. 1), 945-948
Strongyloides stercoralis, determination of immunoglobulins in duodenal contents and feces of infected humans, elevation of serum IgE levels

Immunity
Bhopale, M. K.; and Johri, G. N., 1976, J. Hyg., Epidemiol., Microbiol. and Immunol., v. 20 (4), 464-470
Ancylostoma caninum, Swiss albino mice (exper.), analysis of serum protein components in the presence of infection, significant decrease in albumin and gamma globulin with increase in beta globulin, most significant changes occurred on the 9th day after infection

Immunity
Bigalke, R. D., 1976, J. South African Vet. Ass., v. 47 (4), 281-282
Babesia canis, canine, relapses due to failure of immune mechanism, not to inadequate therapy, brief theoretical review

Immunity
Biroum-Noerjasin, 1973, Clin. and Exper. Immunol., v. 13 (4), 545-551
hookworm, human, IgE levels in relation to anti-helminthic treatment, to numbers of eggs/g of stool, to states of infestation (with and without reinfestation, with and without superinfestation), and to time post-treatment, changes in differential lymphocyte and eosinophil counts: East Java, Indonesia

Immunity
Bland, P. W., 1976, Parasitology, v. 72 (1), 93-97
Hymenolepis diminuta, retention of infection in congenitally athymic nude mice, evidence that immune rejection from normal mice is thymus-dependent

Immunity
Bloch, K. J.; Towle, C.; and Mills, J. A., 1977, Cellular Immunol., v. 28 (1), 181-189
Nippostrongylus brasiliensis, rats, mesenteric lymph node and spleen cells, stimulation by worm metabolic antigen and by con A of tritiated thymidine incorporation

Immunity
Boese, J. L., 1974, J. Med. Entom., v. 11 (5), 503-512
Haemaphysalis leporispalustris, rabbits (exper.), progressive development of host resistance with repeated nymphal infestations depends on frequency rather than intensity of infestations, homocytotropic antibody found in sera of immune rabbits

Immunity
Bogucki, M. S.; and Seed, J. R., 1976, J. Protozool., v. 23 (2), 17A [Abstract]
Trypanosoma brucei gambiense, host antigens obtained from extracts of well-washed rat-harvested parasites identified as immunoglobulins

Immunity
Borojevic, D.; and Movsesijan, M., 1973, Acta Parasitol. Iugoslavica, v. 4 (1), 51-56
Fasciola hepatica, morphogenesis in rabbits, 42 days post infection, genital organs not sufficiently developed to produce secretions for antigenic stimulation of host, but secretory caecal epithelium of digestive organs develops earlier, provides antigenic material during migratory and biliary system periods

Immunity
Boron-Kaczmarska, A.; et al., 1977, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 239 (3), 414-418
Taenia saginata, patients before and after Yomesan treatment, serum levels of IgG, IgA, and IgM, blastic lymphocyte transformation following phytohaemagglutinin stimulation

Immunity
Boros, D. L.; Pelley, R. P.; and Warren, K. S., 1975, J. Immunol., v. 114 (5), 1437-1441
Schistosoma mansoni, mice, spontaneous modulation of granulomatous hypersensitivity, concomitant rise in circulating antibody levels and fall in spleen cell responsiveness to antigen

Immunity
Boros, D. L.; and Warren, K. S., 1973, Immunology, v. 24 (3), 511-529
Schistosoma mansoni, model for study of granulomatous inflammation employing bentonite particles coated with soluble antigens and injected i.v. into micro-vasculature of sensitized mice

Immunity
Bourns, T. K. R.; and Ellis, J. C., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 382-387
Trichobilharzia ocellata in ducklings (exper.), attempted transfer of immunity using lymphoid cells and/or immune serum, results showed some shorter than normal worms or lower numbers of worm eggs passed with birds receiving large volumes of immune serum

Immunity
Bout, D.; et al., 1977, Ann. Immunol., v. 128C (4-5), 811-816
Schistosoma mansoni, mice, high resistance induced by intravenous inoculation of young live BCG 14 days before challenge

Immunity
Bout, D.; et al., 1977, IRCS J. Med. Sc., v. 5 (1), 47
Schistosoma mansoni, inoculation of mice (exper.) with Bacillus Calmette Guerin (BCG) enhanced resistance of mice to parasitic infection

Immunity
Boyer, M. H.; Kalfayan, L. J.; and Ketchum, D. G., 1977, Am. J. Trop. Med. and Hyg., v. 26 (2), 254-257
Schistosoma mansoni, host antigen phenomenon in experimental infections, destruction of parasites transferred from mice to hamsters correlated with evidence of presence of mouse antigenic determinants on surfaces of schistosomes from donor mice

Immunity
Boyer, M. H.; and Ketchum, D. G., 1976, J. Immunol., v. 116 (4), 1093-1095
Schistosoma mansoni, adults grown in hamsters and transferred directly to mesenteric vessels of C57BL10J mice immunized with hamster cells, normal survival despite evidence of cytotoxic and hemagglutinating antibodies directed against hamster cells

Immunity
Boyer, M. H.; Ketchum, D. G.; and Palmer, P. D., 1976, Internat. J. Parasitol., v. 6 (3), 235-238
Schistosoma mansoni, surgical technique for transfer of 3-week-old worms to mesenteric veins of mice, parasites grown in donor C3H/StCrl strain survive on transfer to recipient C57BL/10J mice despite prior immunization with C3H/StCrl cells or skin grafts

Immunity
Bradley, D. J.; and McCullough, F. S., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 491-500
Schistosoma haematobium, human, epidemiological model shows good agreement with actual community egg output patterns, provides additional evidence for occurrence of concomitant immunity

Immunity
Bradley, R. H.; and Burghardt, R. C., 1976, Proc. 34. Ann. Meet. Electron Microsc. Soc. America (Miami Beach, Florida, Aug. 9-13), 158-159
Ascaris spermatozoa, immunocytochemistry of surface changes during maturation, specific antigenic differences between inactive and active, mature cells, studies by unlabeled antibody enzyme method; possible relationship to sperm's ability to recognize and/or penetrate oolemma of oocyte

Immunity
Bray, R. S.; and Harris, W. G., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 401-407
Entamoeba histolytica, extensive epidemiologic survey of selected native villages revealed a comparatively high incidence of human infection: The Gambia, West Africa

Immunity
Brener, Z.; and Cardoso, J. E., 1976, J. Parasitol., v. 62 (4), 645-646
Corynebacterium parvum-immunized mice, enhanced nonspecific resistance against Trypanosoma cruzi

Immunity
Brener, Z.; and Chiari, E., 1971, Tr. Roy. Soc. Trop. Med. and Hyg., v. 65 (5), 629-636
Trypanosoma cruzi strains in mice (exper.), effect of immunosuppressive agents (gamma radiation, cyclophosphamide, imuran, and 6-mercaptopurine) administered during the course of chronic infection

Immunity
Brink, L. H.; McLaren, D. J.; and Smithers, S. R., 1977, Parasitology, v. 74 (1), 73-86
Schistosoma mansoni, artificially transformed schistosomula and schistosomula recovered after cercarial penetration of isolated skin, comparison of ultrastructure, development, antigenic nature, viability in vivo and in vitro, infectivity

Immunity
Brocklesby, D. W.; and Purnell, R. E., 1977, Nature, London (5592), v. 265, 343
Babesia divergens, calves, failure of BCG to protect against infection

Immunity
Brooks, B. O.; and Reed, N. D., 1977, J. Reticuloendothel. Soc., v. 22 (6), 605-608
Trypanosoma musculi, thymus dependency of elimination from mice

Immunity
Brossard, M., 1976, Rev. Suisse Zool., v. 83 (2), 443-462
Ixodes ricinus, role as vector of Babesia bovis of cattle, distribution, cattle have antibody against I. ricinus saliva, exper. vector of B. berbera and B. argentina: Low Plain of the Rhone, Switzerland

Immunity
Brown, A. R.; and Crandall, C. A., 1976, J. Immunol., v. 116 (4), 1105-1109
mice, Ascaris suum-induced phosphorylcholine-binding component identified as IgM antibody having idiotypic determinants in common with PC-binding IgA myeloma TEPC 15, response not duplicated by immunization with dead Ascaris larvae or by infection with Heligmosomoides polygyrus or Trichinella spiralis

Immunity
Brown, A. R.; Crandall, C. A.; and Crandall, R. B., 1977, J. Parasitol., v. 63 (5), 950-952
Ascaris suum in mice with X-linked B lymphocyte defect, immune response and acquired resistance

Immunity
Brown, A. R.; Crandall, R. B.; and Crandall, C. A., 1976, J. Parasitol., v. 62 (1), 169-171
Heligmosomoides polygyrus-infected mice, increased IgG catabolism as possible factor in observed suppression of circulating antibody levels following immunization to sheep erythrocytes

Immunity
Brown, I. N.; Watson, S. R.; and Sljivic, V. S., 1977, Infect. and Immun., v. 16 (2), 456-460
antibody response in vitro of spleen cells from Plasmodium yoelii-infected mice, response to sheep erythrocytes enhanced at early stage of infection and depressed at later intervals, cell fractionation experiments indicated a defect of macrophage function, response to dinitrophenylated Ficoll remained normal

Immunity
Brown, K. N., 1977, Advances Exper. Med. and Biol., v. 93, 5-25
antigenic variation in malaria, review: Plasmodium knowlesi, schizont-infected cell agglutination test, protective variant-specific antibodies, induction of antigenic variation, antigenic variation and the cell cycle, antigenic variation and red cell penetration, variant-specific antibody synthesis and protective immunity; Plasmodium berghei, lymphocyte subpopulations and immunity transcending antigenic variation; gametocytes, antigenic variation, and protection; antigenic variation and immunization against malaria

Immunity
Brown, K. N.; and Hills, L. A., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 139-142
Plasmodium knowlesi, variant-specific antibodies detected in exper. Macaca mulatta, one inducing antigenic variation and one with parasiticidal response

Immunity
Brown, K. N.; Jarra, W.; and Hills, L. A., 1976, Infect. and Immun., v. 14 (4), 858-871
Plasmodium berghei, rats, development of protective T cell activity

Immunity
Brown, L. A.; and Losos, G. J., 1977, Research Vet. Sc., v. 23 (2), 196-203
Trypanosoma congolense and T. brucei, comparative pathology in both bled and non-bled albino rats (exper.): parasitemia, packed cell volumes, weight of spleen and lymph, histology of thymus, spleen, lymph nodes, and bone marrow

Immunity
Bryceson, A. D. M., 1975, Symposia Brit. Soc. Parasitol., v. 13, 85-100
mechanisms of disease in leishmaniasis, extensive review with some previously unpublished results: host-parasite specificity; prevention or evasion of immune response; role of immune response in production of disease; healing; immunity to reinfection

Immunity
Bryceson, A. D. M.; Bray, R. S.; and Dumonde, D. C., 1974, Clin. and Exper. Immunol., v. 16 (2), 189-201
Leishmania enriettii, guinea pigs inoculated with graded doses, relationship between clinical course of infection and immunological response, selective suppression of cell-mediated immunity, extent of delayed hypersensitivity closely related to degree of host resistance, role of humoral antibody less clear

Immunity
Brzosko, W. J.; et al., 1976, National Cancer Inst. Monograph (43), 163-169
Pneumocystis carinii, infants, immunofluorescence and immunoelectron microscopic study of tissue, antibodies are essential in elimination of P. carinii through their opsonization of the organisms, disintegration of P. carinii conglomerates subsequent to binding of complement to immune complexes preceded their phagocytosis, replication of P. carinii at rate leading to clinical symptoms is due to impaired and delayed synthesis both of specific antibodies and of complement

Immunity
Buck, A. A.; Anderson, R. I.; and MacRae, A. A., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (1), 21-31
serum immunoglobulin levels in five villages compared, comparative studies of IgG, IgA, IgM, and IgD levels between Onchocerca volvulus patients with and without microfilaruria, different age and sex patterns, effect of infection intensity, IgE and combined infection with Schistosoma mansoni: Chad

Immunity
Budden, J. R.; and Dimopoullos, G. T., 1977, Am. J. Vet. Research, v. 38 (5), 633-636
Anaplasma marginale, finite purification, antibody in anaplasmosis detected by agglutination tests is directed against erythrocytic stromata, not against finitely purified anaplasma bodies

Immunity
Buendia, E.; et al., 1974, Nouv. Presse Med., v. 3 (36), 2334 [Letter]
human trichinosis, alterations of blood proteins in presence of infections

Immunity
Buengener, W., 1975, Tropenmed. u. Parasitol., v. 26 (3), 281-284
Trypanosoma musculi in inbred mice (exper.), parasite multiplication and course of infection in single infection, after pre-infection with T. congolense, or with added infection of T. brucei

Immunity
Buening, G. M., 1977, Am. J. Vet. Research, v. 38 (1), 137-138
Anaplasma, 2-mercaptoethanol enhances in vitro response of sensitized bovine peripheral blood lymphocytes to Anaplasma antigen

Immunity
Buerger, H. J., 1976, Zentralbl. Vet.-Med., Reihe B, v. 23 (8), 678-697
Trichinella spiralis, rats, mechanism of immune elimination, dose of infection and sex of rats affected time of onset of worm expulsion; number of female trichinellae decreased earlier than number of male worms

Immunity
Bundesen, P. G.; and Dobson, C., 1977, Canad. Fed. Biol. Soc., Programme and Proc. 20. Ann. Meet., v. 20, 117 [Abstract]
Taenia pisiformis, kinetics of antibody response in rabbits

Immunity
Burke, B. A., 1976, National Cancer Inst. Monograph (43), 151-156
Pneumocystis carinii infection in humans, methods of diagnosis particularly in immunodeficient patient, classic morphology of organism, review

Immunity
Burke, B. A.; and Good, R. A., 1973, Medicine, Baltimore, v. 52 (1), 23-51
review of case histories and pathologic findings in 46 patients with Pneumocystis carinii infections, comparison of mode of clinical onset, methods of diagnosis, response to therapy and known immunologic features, extensive literature review, morphologic description of organism

Immunity
Bussieras, J., 1976, Rec. Med. Vet., v. 152 (3), 219-222
strongyloses of swine, immunological phenomena, clinical manifestations, applications in diagnosis, prophylaxis and treatment, review

Immunity
Butcher, G. A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (6), 554-555 [Letter]
Plasmodium knowlesi, unsuccessful attempt to demonstrate stimulus that induces synthesis of new antigens by parasite in response to a development of immunity by host

Immunity
Butcher, G. A.; Bannister, L. H.; and Mitchell, G. H., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 11 [Demonstration]
Plasmodium knowlesi, immune damage to intracellular parasites, morphologic features

Immunity
Butterworth, A. E., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), Nov., 29-38
effector mechanisms against schistosomes in vitro with emphasis on eosinophils as important component in immunity, workshop report

Immunity
Butterworth, A. E.; et al., 1976, Clin. and Exper. Immunol., v. 25 (1), 95-102
Schistosoma mansoni, technique for estimating antibody-dependent cell-mediated damage to schistosomula by measuring release of ^{51}Cr from labelled organisms, time course of development of cell-dependent cytotoxic activity in sera of infected baboons

Immunity
Butterworth, A. E.; et al., 1977, J. Exper. Med., v. 145 (1), 136-150
Schistosoma mansoni, eosinophil as effector cell in antibody-dependent cell-mediated damage to schistosomula: cytotoxic activity of eosinophil-enriched preparations; lack of cytotoxicity by preparations depleted of eosinophils; greater cytotoxicity mediated by cells from normal vs. eosinophilic subjects; damage not enhanced by lymphocytes, neutrophils, or monocytes

Immunity
Butterworth, A. E.; et al., 1977, J. Immunol., v. 118 (6), 2230-2236
Schistosoma mansoni, antibody-dependent eosinophil-mediated damage to schistosomula, mediation by IgG and inhibition by antigen-antibody complexes

Immunity
Cabaret, J., 1977, Rec. Med. Vet., v. 153 (6), 419-427
gastrointestinal strongyles (Trichostrongylidae, Strongylidae), inhibition of larval development (hypobiosis), weather conditions, epidemiological aspects, review

Immunity
Calamel, M.; Soule, C.; and Chevrier, L., 1975, Rec. Med. Vet., v. 151 (12), 777-781
Taenia ovis, sheep, experimental infections with various doses, localization of cysticerci, duration of infection longer with lower doses, persistence of antibodies, eosinophilia

Immunity
Callow, L. L.; et al., 1974, Austral. Vet. J., v. 50 (1), 6-11
Babesia argentina, appreciable degree of immunity retained by cattle after sterilization of infections of varying duration by imidocarb, indirect fluorescent antibody test; duration of prior exposure to the parasite influenced the degree of immunity to subsequent challenge with heterologous strains of B. argentina

Immunity
Callow, L. L.; et al., 1974, Austral. Vet. J., v. 50 (1), 12-15
Babesia bigemina, cattle self-cured, drug-cured with imidocarb or with persistent infections showed an appreciable or strong degree of immunity to challenge (the finding is contrary to the concept of premunition); indirect fluorescent antibody test (antibody titre did not reflect degree of resistance to challenge)

Immunity
Callow, L. L.; Quiroga, Q. C.; and McCosker, P. J., 1976, Internat. J. Parasitol., v. 6 (4), 307-310
Babesia argentina, Anaplasma marginale, comparison of strains of each from Australia vs. Bolivia with indirect fluorescent antibody test showed serological identity of the two strains of each parasite, implications for vaccination; since earlier study showed serological identity between B. bovis and B. argentina, the small Babesia of Australia and South America should by priority be called B. bovis

Immunity
Campbell, G. H.; Esser, K. M.; and Weinbaum, F. I., 1977, Infect. and Immun., v. 18 (2), 434-438
Trypanosoma rhodesiense in mice, requirement for B-lymphocyte immunocompetence for immunity to infection

Immunity
Campbell, G. H.; and Phillips, S. M., 1976, Infect. and Immun., v. 14 (5), 1144-1150
Trypanosoma rhodesiense, mice, adoptive transfer of variant-specific resistance with B lymphocytes and serum but not with T lymphocytes, results implicate antibody-mediated mechanism as having major role in resistance

Immunity
Campbell, G. H.; Phillips, S. M.; and Esser, K. M., 1976, Abst. Ann. Meet. Am. Soc. Microbiol., 86
Trypanosoma rhodesiense, course of infection in athymic (nude) mice shows that T-cell independent mechanisms play major role in host resistance

Immunity
Campbell, W. C.; Malanga, C. M.; and Conroy, J. A., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (2), 163
Trichinella spiralis infected mice, no significant protection against subsequent Trypanosoma cruzi infection

Immunity
Camus, D.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 482-490
Schistosoma mansoni, attempted correlation of immunoglobulin levels, antibodies, and delayed hypersensitivity reactions in infected patients living in defined endemic area: Bahia state, Brazil

Immunity
Camus, D.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 290 [Demonstration]
Schistosoma mansoni, modulation of host immune response by antagonistic factors released by schistosomes

Immunity
Canto Solis, A.; et al., 1975, Prensa Med. Mexicana, v. 40 (9-10), 275-281
Entamoeba histolytica, human hepatic abscess, immunologic study of infected persons revealed evidence of altered humoral and cellular immunity

Immunity
Capbern, A.; el al., 1977, Exper. Parasitol., v. 43 (1), 1-11
Trypanosoma equiperdum, multiplication in diffusion chambers implanted subcutaneously in the dorsal region of mice, effect of immunosuppressants, of immune serum, of temperature, of acquired immunity

Immunity
Capbern, A.; et al., 1977, Ann. Parasitol., v. 52 (3), 237-251
Trypanosoma equiperdum, 2 strains giving rise to different clinical disease in rabbits (exper.), aspects of immune response (specific antibodies, hypermacroglobulinemia, anti-fibrinogen auto-antibodies) and coagulation disorders

Immunity
Cappuccinelli, P., 1972, Parassitologia, v. 14 (2-3), 255-260
Armillifer armillatus, antigen, complement fixation and immunodiffusion studies of antibody response in rabbit; identification of active fractions by immunoelectrophoresis; immunodiffusion tests against Echinococcus granulosus, Fasciola hepatica, Dicrocoelium dendriticum, Onchocerca volvulus and Ascaris suum, no common antigens found

Immunity
Capron, M.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (2), 248-253
Schistosoma mansoni, complement dependent cytotoxic antibodies, correlation with clinical forms of infection, levels of other specific anti-S. mansoni antibodies, delayed hypersensitivity and presence of urinary M antigen in host

Immunity
Capron, A.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 39-47
Schistosoma mansoni, interaction between IgE and macrophages and other effector cells involved in the in vitro killing of schistosomules, interaction of IgGa with same cell populations, possible cooperation between various antibody-dependent cell-mediated mechanisms and their possible in vivo relevance, workshop report

Immunity
Capron, A.; et al., 1977, Ann. Immunol., v. 128C (1-2), 541-556
impairment of immune response in parasitic infections characterized by high prevalence of autoantibodies and by immunosuppression, review discussing malaria, trypanosomiasis, trichinosis, and schistosomiasis, with some original material on the last

Immunity
Capron, A.; et al., 1977, European J. Immunol., v. 7 (5), 315-322
Schistosoma mansoni, rats, Ig-E immune complex-mediated macrophage cytotoxicity against schistosomula, new mechanism of macrophage activation could play role in immune effector mechanisms against this parasite

Immunity
Carlier, Y.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (6, pt. 1), 949-954
Schistosoma mansoni, human, thermostable parasitic urinary antigen demonstrated, relation with clinical, biological, and immunological parameters (including fecal egg count, host age, precipitating antibodies, IgE levels, 24-hr intradermal test)

Immunity
Carson, C. A.; Sells, D. M.; and Ristic, M., 1976, Vet. Parasitol., v. 2 (1), 75-81
Anaplasma marginale, cattle, cell-mediated immunity and correlation with protection induced by vaccination, review

Immunity
Casarosa, L., 1976, Ann. Fac. Med. Vet., Univ. Pisa, v. 28, 1975, 53-63
Dictyocaulus filaria, guinea pigs (exper.), 3 increasing doses followed by challenge, histopathology of mesenteric and bronchial lymph nodes, trapped larvae surrounded by leucocytes and macrophages

Immunity
Casarosa, L.; et al., 1976, Ann. Fac. Med. Vet., Univ. Pisa, v. 28, 1975, 71-77
Dictyocaulus filaria, third stage larvae, sensitized with immune sera, in vitro adherence reaction with eosinophils and pyroninophil cells from guinea pigs immunized with D. filaria somatic metabolic antigen

Immunity
Casarosa, L.; and Lugetti, G., 1972, Parassitologia, v. 14 (1), 71-72
Dictyocaulus filaria, third stage larvae sensitized in immune serum, adherence reaction with guinea pig peritoneal macrophages

Immunity
Casarosa, L.; Lugetti, G.; and Favati, V., 1974, Ann. Fac. Med. Vet. Pisa, v. 26, 1973, 373-384
adherence reaction between infective Dictyocaulus filaria larvae (sensitized with immune guinea pig serum) and guinea pig peritoneal macrophages; mixed antiglobulin reaction between infective D. filaria larvae and sheep red blood cells previously sensitized with photo-oxidized guinea pig antiserum; adherence reaction induced by gamma globulin combining with cuticle of parasite

Immunity
Casarosa, L.; Lugetti, G.; and Marconcini, A., 1973, Isotopes and Radiation Parasitol. III, 113-126
Ascaris suum, guinea pigs vaccinated and then subjected to whole-body irradiation, enteric wall reactivity against challenge, relationship to in vitro adherence reaction

Immunity
Casarosa, L.; Lugetti, G.; and Marconcini, A., 1974, Ann. Fac. Med. Vet. Pisa, v. 26, 1973, 385-401
Ascaris suum-vaccinated guinea pigs, total body x-irradiation and challenge infection, enteric wall reactivity, globule leukocytes, immunoglobulin-containing cells; globule leukocytes depleted in challenged hosts; higher number of fluorescing mature plasma cells in lamina propria of vaccinated animals

Immunity
Casarosa, L.; Lugetti, G.; and Orlandi, M., 1975, Ann. Fac. Med. Vet. Pisa, v. 27, 1974, 87-90
Cystocaulus ocreatus, first stage larvae sensitized with immune serum, adherence reaction with normal guinea pig peritoneal macrophages

Immunity
Castro, G. A.; Post, C. A.; and Roy, S. A., 1977, J. Parasitol., v. 63 (4), 713-719
Trichinella spiralis-immunized rats, challenge infection does not elicit changes in intestinal motility in contrast to a primary infection of equal size which enhances intestinal transit

Immunity
Castro, G. A.; Roy, S. A.; and Schanbacher, L. M., 1975, J. Parasitol., v. 61 (6), 1053-1060
Trichinella spiralis, untreated worms or worms exposed to phytohemagglutinin or immune serum, in vitro effects of lamina propria cells from small intestine of immunized rats, deleterious effect of disrupted (but not intact) cells on juveniles and adults (but not larvae), vermicidal component not linked to peroxidase-H_2O_2-halide system

Immunity
Cederqvist, L. L.; et al., 1977, Obst. and Gynec., v. 50 (2), 200-204
toxoplasmosis, children who develop congenital infection have an active immune response with elevated levels of IgM and IgA which distinguishes them from unaffected children of infected mothers and from normal controls

Immunity
Cerna, Z.; Louckova, M.; and Danek, J., 1974, J. Protozool., v. 21 (3), 455 [Abstract]
Eimeria tenella, chickens, antibody formation blocked by clopidol but not by zoalene

Immunity
Cesari, I. M., 1976, Internat. J. Parasitol. v. 6 (4), 295-298
Schistosoma mansoni, presence of membrane-associated agglutinin directed against surface molecular determinants of untreated mouse and rat erythrocytes, seems to be host-independent worm membrane receptor, possible role in host-parasite adaptation mechanism

Immunity
Cesari, I. M.; and Marchiani, C., 1977, Internat. J. Parasitol., v. 7 (4), 275-279
Schistosoma mansoni, membrane-associated agglutinin, inhibition studies, suggested that agglutinin might catch antigenic material onto worm surface and disguise it from host's immunological recognition

Immunity
Chadwick, J. S., 1975, Invert. Immun. (Maramorosch and Shope), 241-271
hemolymph changes with infection or induced immunity in insects and ticks, review

Immunity
Chaicumpa, V.; Jenkin, C. R.; and Fischer, H., 1977, Austral. J. Exper. Biol. and Med. Sc., v. 55 (5), 561-570
Nematospiroides dubius, effect in vivo of peritoneal exudate cells of immune and normal mice on infectivity of third stage larvae

Immunity
Chang, C. H., 1975, J. Chinese Soc. Vet. Sc., v. 1 (1), 1-6
Leucocytozoon sabrazesi, white Leghorn roosters, absence of relapse in naturally and experimentally infected birds, possible factors: Taiwan

Immunity
Chang, K.-P., 1976, J. Protozool., v. 23 (2), 241-244
Blastocrithidia culicis, Crithidia oncopelti, symbiote-free strains: liver extract as essential growth factor in defined medium; cross-reactivity in reciprocal agglutination test with symbiote-containing strains indicates loss of symbiotes does not affect antigenic identity

Immunity
Chapman, H. D., 1974, Research Vet. Sc., v. 16 (1), 7-11
course of mixed coccidial infection acquired by lambs born at pasture, immunity to challenge following this natural infection and following artificial infection (with primarily Eimeria ninakohlyakimovae), betamethasone administration caused increases in oocyst output

Immunity
Chappell, L. H.; and Pike, A. W., 1976, Internat. J. Parasitol., v. 6 (4), 333-339
Hymenolepis diminuta, density-dependent loss from rat gut, data will fit either a competitive or an immunological model

Immunity
Chen, D. H.; Tigelaar, R. E.; and Weinbaum, F. I., 1977, J. Immunol., v. 118 (4), 1322-1327
Plasmodium berghei, immunization of T and B cell-deficient mice with x-irradiated sporozoites, results demonstrate preeminent role for T cells in induction of protective immunity against sporozoite infection

Immunity
Chen, P.; and Soulsby, E. J. L., 1976, Internat. J. Parasitol., v. 6 (2), 135-141
Haemonchus contortus infections in ewes during pregnancy, parturition, and lactation, blastogenic responses of peripheral blood leukocytes to non-specific mitogen, non-helminth antigens, and specific 3rd stage larval antigen, relationship to 'spring-rise' and 'self-cure' phenomena, possible hormonal factors

Immunity
Chen, S.-N., 1975, Bull. Inst. Zool., Acad. Sinica, v. 14 (2), 109-113
Angiostrongylus cantonensis as possible cause of human cases of eosinophilic meningitis, immunoglobulins and leucocytes in blood and cerebrospinal fluid, antibody to A. cantonensis, evidence for specific immune response, history of eating raw Achatina fulica

Immunity
Cheng, T. C.; and Auld, K. R., 1977, J. Invert. Path., v. 30 (1), 119-122
Biomphalaria glabrata (principal intermediate host of Schistosoma mansoni), characterization of hemocytes preparatory to defining possible roles in immune response

Immunity
Chernin, J., 1977, J. Helminth., v. 51 (2), 137-142
Taenia crassiceps, mice, production of precipitating antibodies in relation to duration of infection and volume of metacestodes, pattern of development of antigen-antibody precipitation system

Immunity
Chernin, J., 1977, J. Helminthol., v. 51 (3), 215-219
Taenia crassiceps in laboratory rats, antigen common to metacestode and host

Immunity
Chernin, J., 1977, Parasitology, v. 75 (2), vii [Abstract]
Taenia crassiceps, comparison of several aspects of the response of rats vs. mice to infection with metacestodes

Immunity
Chhabra, M. B.; et al., 1976, Trop. and Geogr. Med., v. 28 (2), 101-103
Toxoplasma gondii antibodies, serologic survey, prevalence in rhesus monkeys: India

Immunity
Chipperfield, E. J.; and Evans, B. A., 1972, Clin. and Exper. Immunol., v. 11 (2), 219-223
Trichomonas vaginalis, influence of local infection on immunoglobulin formation in human endocervix observed using direct fluorescent antibody technique on specimens obtained by needle biopsy

Immunity
Chipperfield, E. J.; and Evans, B. A., 1975, Infect. and Immun., v. 11 (2), 215-221
Trichomonas vaginalis, concentrations of IgA and IgG in cervical mucus from patients attending clinic for sexually transmitted diseases, comparison of those using oral contraceptives and those with presumed normal ovulatory cycles

Immunity
Cioli, D., 1976, Internat. J. Parasitol., v. 6 (4), 355-362
Schistosoma mansoni transferred from mouse into hamsters pre-immunized againse mouse erythrocytes were rejected but schistosomes transferred from rat into hamsters pre-immunized against rat erythrocytes were not rejected to any significant extent, significance in relation to possible protective function of host antigens

Immunity
Cioli, D., 1976, Ztschr. Immunitaetsforsch., v. 152 (2), 79-80 [Abstract]
schistosomiasis, mice vs. rats, differences in response to challenge infections and possible mechanisms that would explain the difference

Immunity
Cioli, D.; and Dennert, G., 1976, J. Immunol., v. 117 (1), 59-65
Schistosoma mansoni, effects of immunosuppression on pattern of infection in inbred rats that were thymectomized, irradiated, and reconstituted with T cell-free bone marrow cells, results show definite involvement of immune system in 'self-cure' phenomenon but may suggest involvement of other nonimmune mechanisms as well

Immunity
Cioli, D.; and Neis, R., 1972, Parassitologia, v. 14 (1), 73-79
Schistosoma mansoni surgically transplanted from mice to hamsters, accepted by normal hamsters, rejected by hamsters pre-immunized against normal mouse red blood cells; evidence for host antigens

Immunity
Clark, I. A.; et al., 1977, Infect. and Immun., v. 17 (2), 430-438
mice, infection with BCG provided good protection against Babesia species, intensity and duration of protection similar to that after natural recovery from babesiosis, parasites degenerated within circulating erythrocytes, neither increased specific immune response nor phagocytosis but a nonspecific soluble effector substance is best explanation for protection

Immunity
Clark, I. A.; et al., 1977, Parasitology, v. 75 (2), 189-196
Babesia microti, abnormal forms in red cells of mice recovering from infection are noninfective, indistinguishable from those present after amicarbalide treatment, and persist in splenectomized hosts, electron microscopy confirms forms as degenerating intra-erythrocytic parasites, probably products of immune response

Immunity
Clark, I. A.; Allison, A. C.; and Cox, F. E., 1976, Nature, London (5541), v. 259, 309-311
Babesia, Plasmodium, protection of mice by previous infection with BCG, possible mechanism

Immunity
Clark, I. A.; Cox, F. E. G.; and Allison, A. C., 1977, Parasitology, v. 74 (1), 9-18
mice pre-treated with killed Corynebacterium parvum, completely resistant to infection with Babesia microti or B. rodhaini, protected from death caused by Plasmodium vinckei or P. chabaudi infection, no antibody detected, suggested that non-specific soluble mediator may play important role in protection observed

Immunity
Clark, I. A.; Wills, E. J.; and Richmond, J. E., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 12 [Demonstration]
intra-erythrocytic death of Babesia and Plasmodium as host acquires immunity, possibly caused by soluble mediator liberated by host cells

Immunity
Clarkson, M. J., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 272 [Abstract]
Trypanosoma brucei and T. congolense in mice, immunoglobulin changes during infection

Immunity
Clarkson, M. J., 1976, Parasitology, v. 73 (2), viii [Abstract]
Trypanosoma brucei, differential serum IgM response in different strains of mice, immunosuppression to sheep red blood cells demonstrated in mice with both high and low IgM concentrations

Immunity
Clarkson, M. J., 1976, Pathophysiol. Parasit. Infect., 171-182
trypanosomiasis of man and animals, IgM levels, possible role of IgM in pathogenesis, mechanism of increased IgM

Immunity
Clarkson, M. J., 1976, Vet. Parasitol., v. 2 (1), 9-29
trypanosomes, immunological problems, review: antigens; host reactions to infection; immunological state of host

Immunity
Clarkson, M. J.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 2-3 [Demonstration]
Trypanosoma vivax, West African strain, serum protein changes in infected calves (exper.), possible mechanism of increased IgM

Immunity
Clarkson, M. J.; Choudhry, M.; and Cullingham, T. J., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 2 [Demonstration]
Trypanosoma brucei-infected mice (exper.), changes in immunoglobulins

Immunity
Clarkson, M. J.; and Esfandiari, A., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 15-16 [Demonstration]
Capillaria obsignata in fowls (exper.), dynamics of infections, self cure and host immune response

Immunity
Clarkson, M. J.; and Penhale, W. J., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 273 [Abstract]
Trypanosoma vivax, calves (exper.), serum protein changes

Immunity
Cochrane, A. H.; et al., 1976, J. Immunol., v. 116 (3), 859-867
Plasmodium berghei, P. cynomolgi, antibody-induced ultrastructural changes of sporozoites, surface coat formation

Immunity
Coelho, P. M. Z.; et al., 1976, J. Parasitol., v. 62 (1), 159-161
Schistosoma mansoni schistosomula of different ages (1 hr., 4 and 11 days) from hamsters, intraperitoneal transfer to mice immunized against hamster RBC or lymphoid cells, no statistically significant differences between number of worms recovered from immunized recipient mice and control animals

Immunity
Cohen, S., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 283-286
malarial immunity, differences in immune mechanisms induced by malarial infection vs. merozoite vaccination, symposium presentation

Immunity
Cohen, S.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 223-232
malaria, role of humoral and cell-mediated mechanisms in specific acquired immunity to erythrocytic stage, current status of merozoite vaccination, workshop report

Immunity
Cohen, S.; Butcher, G. A.; and Mitchell, G.H., 1977, Advances Exper. Med. and Biol., v. 93, 89-112
immunization against erythrocytic forms of malaria parasites, review: malaria life cycle; innate and acquired resistance to malaria (specific malarial antibody, protective malarial antibody, synergistic action of malarial antibody and cells, role of specific cell-mediated immunity in malaria, isolation and properties of merozoites); vaccination against erythrocytic forms of malaria (vaccination and challenge using undefined and defined variants of Plasmodium knowlesi, adjuvant requirement for successful vaccination)

Immunity
Coleman, R. M.; et al., 1975, Immunology, v. 29 (1), 49-54
Plasmodium berghei, mice, cell-mediated cytotoxic activity against erythrocytes from malaria-infected animals demonstrated in vitro, splenic macrophages and nylon-purified spleen cells are implicated, antibody found to enhance cell-mediated lysis

Immunity
Coleman, R. M.; et al., 1976, J. Parasitol., v. 62 (1), 138-140
Plasmodium berghei, transitory but heightened rate of destruction of normal transfused erythrocytes in infected rats

Immunity
Colette, J.; Garrigue, G.; and Sellin, B., 1976, Nouv. Presse Med., v. 5 (24), 1540 [Letter]
Schistosoma mansoni and ancylostomiasis in humans, study of possible relationships between helminthiasis and presence of HBs antigens in blood in infected persons in Haute-Volta

Immunity
Colley, D. G., 1975, J. Immunol., v. 115 (1), 150-156
Schistosoma mansoni, mice, chronic primary infection, immune responses to soluble egg antigen (lymphocyte blastogenesis, production of lymphokine eosinophil stimulation promoter, haemagglutinating antibody, PGA antibodies, peripheral blood eosinophilia), relationship to anti-egg granulomatous response and pathogenesis of the disease

Immunity
Colley, D. G.; Savage, A. M.; and Lewis, F. A., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 88-95
Schistosoma mansoni, host responses induced and elicited by cercariae, schistosomula, and cercarial antigenic preparations, workshop report

Immunity
Coltorti, E. A.; and Varela-Diaz, V. M., 1975, Ztschr. Parasitenk., v. 48 (1), 47-51
hydatid cysts from gerbils and mice and cysts transplanted from mice to gerbil peritoneal cavities, host IgG in cysts in variable concentrations, entrance of macromolecules possibly discontinuous or random; possible mechanisms

Immunity
Coltorti, E. A.; and Varela-Diaz, V. M., [1977], Ann. Parasitol., v. 51 (6), 1976, 647-652
survival of hydatid cysts in vitro and in vivo (mice) after puncturing with fine gauge needles, ability of cysts to repair or recuperate from such a microfissure, results consistent with detection of antibody responses in persons harboring hyaline hydatid cysts with apparently intact membranes and with hypothesis of association between integrity of cyst membranes and degree of host immunological response

Immunity
Coman, B. J.; and Rickard, M. D., 1975, Ztschr. Parasitenk., v. 47 (4), 237-248
Taenia spp., dogs, location in intestine, size, fecundity, egg hatching within intestine; infectivity of T. pisiformis eggs to rabbits (effects of canine intestinal secretions, intestinal passage and storage in feces); repeated T. ovis egg infection of puppies having no effect on subsequent cysticercus infection

Immunity
Connan, R. M., 1976, Vet. Rec., v. 99 (24), 476-477
gastrointestinal nematodes, suppressed immune response of host during lactation primarily of endocrinal origin, review

Immunity
Corba, J.; and Spaldonova, R., 1974, Biologia, Bratislava, s. B, Zool. (1), v. 29 (2), 167-173
Trichinella spiralis, mice, immunosuppressive substances given at intestinal phase cause significant increase of muscle trichinellae, but only slight increase when given at migratory phase; host immunity mechanism more effective at intestinal phase and its inhibition causes longer stay in intestine, higher reproduction and more larvae in muscle phase

Immunity
Cordero del Campillo, M.; et al., 1974, Rev. Iber. Parasitol., v. 34 (3-4), 305-315
case history, horse infected with E[rysipelothrix] insidiosa to produce hyperimmune serum, rapid death from Babesia, considered to be activation of carrier state; possible tick vectors reviewed: Leon (N.W. Spain)

Immunity
Cornille-Brogger, R., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (5-6), 515-516
human malaria high endemicity area, man with serum IgM deficiency, case report, relevance to protective immunity from malaria unknown

Immunity
Corrier, D. E.; and Adams, L. G., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 60-65
Anaplasma marginale, Babesia bigemina, concurrent infections in calves (exper.), clinical course, serological response, pathological manifestations

Immunity
Cottrell, B., 1976, Parasitology, v. 73 (2), xxxiv [Abstract]
Cryptocotyle lingua and Rhipidocotyle johnstonei induced temperature-dependent precipitin response in Pleuronectes platessa; Trypanosoma platessae-infected P. platessa had elevated serum beta-globulin levels, pronounced seasonal variation in numbers of infected fish pointed to temperature-controlled immunity

Immunity
Cottrell, B., 1977, Parasitology, v. 74 (1), 93-107
Cryptocotyle lingua, Rhipidocotyle johnstonei, metacercariae-infected Pleuronectes platessa, humoral immune response, precipitating antibodies are macroglobulins resembling IgM of mammals, rate and magnitude of antibody production determined by ambient temperature

Immunity
Cottrell, B. J., 1977, J. Fish Biol., v. 11 (1), 35-47
Trypanosoma platessae in Pleuronectes platessa (blood) (nat. and exper.), brief redescription, age of host, seasonal variation may be related to change in ambient temperatures and host immunity levels, host specificity: Looe Bay

Immunity
Cottrell, B.J.; Playfair, J.H.L.; and de Sousa, B., 1977, Exper. Parasitol., v. 43 (1), 45-53
Plasmodium yoelii, Plasmodium vinckei, mice, effects of nonspecific immunostimulation with a variety of agents

Immunity
Cox, J. C., 1977, Infect. and Immun., v. 15 (2), 392-395
Encephalitozoon cuniculi-infected rabbits, depressed IgG response and elevated IgM response to Brucella abortus as immunogen

Immunity
Crandall, C. A., 1976, Exper. Parasitol., v. 39 (1), 69-73
Ascaris suum, mice, measurement of homocytotropic antibody response (IgG_1, IgE), infection did not potentiate reaginic response to ovalbumin, not promising model for study of reagin production in helminth infections

Immunity
Crandall, R. B., 1975, J. Parasitol., v. 61 (3), 566-567
Trichinella spiralis, C57Bl/6J mice, decreased resistance with age, prior infection prevented increased susceptibility of aged mice

Immunity
Crandall, R. B.; Crandall, C. A.; and Muth, B., 1976, J. Parasitol., v. 62 (2), 321-323
acute Plasmodium berghei yoelii infection in mice, comparison of delayed hypersensitivity response mediated through spleen vs. that mediated through peripheral lymph nodes

Immunity
Cross, J. H.; et al., 1976, Trop. and Geogr. Med., v. 28 (4), 355-358
Toxoplasma gondii, seroepidemiologic survey of domestic animals for haemagglutinating antibodies, goats used as meat animals found to have high titers, possible role in transmission to man: Indonesia

Immunity
Cross, J. H.; Irving, G. S.; and Gunawan, S., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (4), 467-471
Entamoeba histolytica, Toxoplasma gondii, statistics of seroimmunological survey for prevalence of antibodies to amoebiasis and toxoplasmosis in villagers of Central Java, Indonesia

Immunity
Crum, E. D.; Despommier, D. D.; and McGregor, D. D., 1977, Immunology, v. 33 (6), 787-795
Trichinella spiralis, rats, immunization by series of methyridine-terminated oral infections with larvae, thoracic duct lymphocytes from immunized animals can protect normal rats against challenge, protective cells belong to 2 different populations, immune serum and lymph fail to transfer resistance

Immunity
Cuckler, A. C., 1970, Immun. Parasitic Animals (Jackson, Herman and Singer), v. 2, 371-397
coccidiosis and histomoniasis in avian hosts, host-parasite relationships, immunity, review

Immunity
Cypess, R. H.; et al., 1977, Exper. Parasitol., v. 42 (1), 34-43
Heligmosomoides polygyrus, temporal, spatial, and morphological population characteristics in LAF_1 vs. A/He mice examined in order to determine possible mechanisms responsible for differences in expression of resistance between these two mouse strains

Immunity
Cypess, R. H.; Ebersole, J. L.; and Molinari, J. A., 1977, Internat. Arch. Allergy and Applied Immunol., v. 55 (1-6), 496-503
Heligmosomoides polygyrus-infected mice, intestinal perfusates, radial immunodiffusion analysis, alteration in amount and class of immunoglobulins as well as anti-parasitic antibody

Immunity
Cypess, R. H.; and Zidian, J. L., 1975, J. Parasitol., v. 61 (5), 819-824
Heligmosomoides polygyrus, development of self-cure and/or protection, influence of host genetic background (several inbred and outbred mouse strains) and various experimental conditions (route, dose, larval preparation)

Immunity
D'Alesandro, P. A., 1970, Immun. Parasitic Animals (Jackson, Herman and Singer), v. 2, 691-738
nonpathogenic trypanosomes of rodents, immunology, review

Immunity
Damian, R. T.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (2), 299-306
Schistosoma mansoni in Papio cynocephalus, parasitological, clinical, and histopathological observations, development of immunity

Immunity
Danis, M.; et al., 1977, Brit. Med. J. (6098), v. 2, 1356 [Letter]
multiple hepatic and peritoneal echinococcal cysts in man treated with flubendazole with improvement of general health but no evidence that cysts were in state of regression; discussion of criteria for using IgE antibodies and immune complexes to assess efficacy of treatment

Immunity
Dar , F. K.; et al., 1973, Ann. Trop. Med. and Parasitol., v. 67 (1), 21-29
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Babesia bigemina in calves (exper.), serum proteins and hematologic variations before infection, during prepatent, patent, and convalescent periods

Immunity
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rabbit lymphocyte populations responding to haptenic and carrier determinants for DNA synthesis, DNP-Ascaris suum conjugate used as one of antigens

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Immunity
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Immunity
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Immunity
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Trichinella spiralis, immunity, correlation of biological activities of various stages of infection with host protective mechanisms active against these worm stages, workshop report

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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Nippostrongylus brasiliensis, primary and secondary infections in rats, intestinal prostaglandin levels in relation to worm expulsion

Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Plasmodium berghei-infected rats, splenocyte population, change in balance between formation of immunocompetent and erythropoietic cells

Immunity
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Immunity
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Immunity
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Immunity
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immunoepidemiologic survey of family members after birth of child with congenital toxoplasmosis

Immunity
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Toxoplasma gondii from feces of naturally infected cats, pathogenicity and infectivity of 7 strains of oocysts and cysts compared by infecting mice (exper.) orally and intraperitoneally; cross-immunity of all strains, cysts less pathogenic than oocysts

Immunity
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Immunity
Dumon, H.; Vervloet, D.; and Quilici, M., 1976, Compt. Rend. Soc. Biol., Paris, v. 170 (3), 639-641
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Immunity
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Immunity
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Entamoeba histolytica and Giardia lamblia classified as pathogens in survey of Latin American and United States students' susceptibility to travellers' diarrhea; repeated exposure to G. lamblia may not lead to protective immunity as parasite commonly found in symptomatic and asymptomatic persons: Mexico

Immunity
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Trypanosoma duttoni from mice grown in vitro at 37°C., lack of marked ablastin activity in homologous mouse antisera, reproductive activity completely inhibited by heterologous antisera from T. lewisi-infected rats

Immunity
Dwivedi, S. K.; and Gautam, O. P., 1977, Indian J. Animal Sc., v. 46 (12), 1976, 627-629
Babesia bigemina, splenectomized calves, berenil treatment during acute stage, no immunity to challenge with heterologous strain; treatment during carrier stage, survival after heterologous challenge

Immunity
Dwivedi, S. K.; Gautam, O. P.; and Banerjee, D. P., 1977, Indian Vet. J., v. 54 (9), 697-702
Babesia bigemina, splenectomized calves, imidocarb dipropionate, therapeutic and prophylactic trials, excellent results, development of acquired immunity following treatment

Immunity
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Trypanosoma lewisi, adsorbed rat serum proteins in surface coat

Immunity
Dwyer, D. M., 1976, Proc. Nat. Acad. Sc., v. 73 (4), 1222-1226
Trypanosoma lewisi, bloodstream forms isolated from rats, ultrastructural and immunologic evidence of avidly bound host serum proteins in surface coat, not present in intact culture or trypsinized bloodstream forms but reacquired after incubation in heterologous host serum proteins

Immunity
Dwyer, D. M.; and D'Alesandro, P. A., 1976, J. Protozool., v. 23 (2), 262-271
Trypanosoma musculi bloodstream forms, lectin agglutination, fine structure localization of concanavalin A sites, antibody agglutinations (regular presence of surface-bound host serum proteins; induced surface adsorption of serum proteins), fine structural evidence of host serum in surface coat

Immunity
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Toxoplasma gondii trophozoites from mouse peritoneal exudate, cap formation, electron microscopic and radioisotopic studies, possibly reflects a mechanism by which parasite evades host's immune response

Immunity
Dzbenski, T. H.; and Zielinska, E., 1976, Experientia, v. 32 (4), 454-456
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Immunity
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avian immunity to metazoan parasites, review

Immunity
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IgG established as immunoglobulin responsible for reactions of passive hemagglutination and latex agglutination tests in diagnosis of human echinococcosis

Immunity
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Toxoplasma gondii, women suffering habitual abortions, changes in antibody titers and decreased stillbirths after treatment with pyrimethamine and sulfamides during pregnancy: Turkey

Immunity
El-Bishlawi, O., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 307-308 [Letter]
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Immunity
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Ostertagia spp., challenge infections in previously exposed sheep (exper.), greatly reduced worm numbers, rate of worm development, and pathological effects when compared to infections in previously worm-free animals

Immunity
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Trichobilharzia ocellata, previously infected Anas platyrhynchos and A. rubripes exposed to homologous challenge infections, migration, growth and development, and condition compared to initial infection

Immunity
El-On, J.; and Greenblatt, C. L., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 19 [Demonstration]
Trypanosoma lewisi, rats, increased susceptibility to infection when given cyclophosphamide (CyI-rats) as immuno-suppressive, possible role of exoantigens in development of anemia, precipitating antibodies to Trypanosoma lewisi in rabbits inoculated with plasma from CyI rats whether infected or not

Immunity
El-Rasiky, E. H.; et al., 1974, Egypt. J. Bilharz., v. 1 (2), 287-295
schistosomiasis, investigation of changes in serum immunoglobulins of infected persons before and after therapy with niridazole

Immunity
Emslie, V. W.; and Kershaw, W. E., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 7 [Demonstration]
mice infected with Trypanosoma brucei, treated with antrypol and then infected with Litomosoides carinii, decreased host resistance to subsequent infection and to relapse from first infection, few visible immunologic changes observed

Immunity
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Toxoplasma gondii, Sabin-Feldman dye test reaction, electron microscopic study: intracellular organelles stainable with alkaline methylene blue (primarily those rich in nucleic acids), morphological changes in parasite affected by specific immune reaction

Immunity
Fakunle, Y. M.; and Greenwood, B. M., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 346-347
tropical splenomegaly syndrome, IgM metabolism

Immunity
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Leishmania tropica and its products are capable of inhibition of the stimulation of normal mouse and guinea-pig lymphocytes by phytohaemagglutinin, inhibition is dose-dependent and not dependent on competition for nutrients in medium nor on neutralization of phytohaemagglutinin, inhibition observed on lymphocytes of species susceptible to leishmanial infection but not operative in resistant species

Immunity
Farrell, J. P., 1976, Exper. Parasitol., v. 40 (1), 89-94
Leishmania donovani, acquired resistance in Mesocricetus auratus, previous subcutaneous infection confers ability to limit visceral parasite numbers after intracardial challenge, possible model for study of immunity to kala-azar

Immunity
Faubert, G. M., 1976, Immunology, v. 30 (4), 485-489
Trichinella spiralis, depression of plaque-forming cells to sheep red blood cells by new-born larvae in vivo (mice) and in vitro, transitory phenomenon

Immunity
Faubert, G. M., 1977, Exper. Parasitol., v. 43 (2), 336-341
Trichinella spiralis in Swiss mice, expulsion rate during primary and challenge infections, numbers of encysted muscle larvae also needed as assay for immunity, response of plaque-forming cells to sheep red blood cells in challenge infections used to determine timing of immunosuppression

Immunity
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Trichinella spiralis, leucoagglutinating and leucotoxic activity of serum of infected mice and of saline extracts of larvae, capacity of infected mouse sera to prolong skin allografts

Immunity
Fauve, R. M.; and Dodin, A., 1976, Compt. Rend. Acad. Sc., Paris, v. 282, s. D (1), 131-134
Schistosoma mansoni, mice, inflammatory reaction from subcutaneous injection of BCG or talc results in resistance to the parasite, speculation on possible mechanisms

Immunity
Fayer, R.; and Lunde, M. N., 1977, J. Parasitol., v. 63 (3), 438-442
Sarcocystis from dogs, calves (exper.), changes in serum and plasma proteins and in IgG and IgM antibodies

Immunity
Fernandes, B. J.; et al., 1976, Canad. Med. Ass. J., v. 115 (11), 1111-1114
Alaria americana mesocercariae, massive infection in man with parasites present throughout body, bithionol therapy unsuccessful, diagnosis by lung biopsy confirmed at autopsy, infection probably from eating undercooked frogs' legs, generalized immunologic reactions, clinical report: Ontario, Canada

Immunity
Fernando, S. T.; and Soulsby, E. J. L., 1974, J. Comp. Path., v. 84 (4), 569-576
Toxocara canis, immunoglobulin classes of antibodies in infected Macaca sinica

Immunity
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Plasmodium gallinaceum, response to exper. infection in dysgammaglobulinemic chickens compared to infected sham bursectomized and intact birds: parasitemia, histopathology; results indicate that resistance to initial infection is related to bursa-mediated defenses and humoral factors have a role in protection against malaria

Immunity
Feteanu, A.; et al., 1973, Isotopes and Radiation Parasitol. III, 101-111
Syngamus trachea, chicks, pheasants, immunization with irradiated larval antigen, fluorescent antibody technique for detection of serum antibodies

Immunity
Finch, S. C.; and Jonas, A. M., 1973, J. Reticuloendothel. Soc., v. 13 (1), 20-26
Hemobartonella muris, rats, activation of latent infection with development of hemolytic anemia after parenteral administration of ethyl palmitate, effect probably due to development of acute splenic necrosis with loss of splenic sinusoidal function

Immunity
Finerty, J. F.; and Krehl, E. P., 1976, Infect. and Immun., v. 14 (4), 1103-1105
Plasmodium berghei yoelii, mice, protection from lethal infection by pretreatment with cyclophosphamide, development of resistance preceded by increased hypersensitivity demonstrated by delayed footpad swelling technique

Immunity
Fistein, B.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 10 [Demonstration]
Trypanosoma cruzi: inheritance of ability of Rhodnius prolixus to transmit infection; natural and acquired inhibitory factors in animal sera against parasites in culture; ability of all immature and mature stages of Rhodnius prolixus to acquire and transmit infection

Immunity
Fluck, D. J.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (5), 638-643
tropical splenomegaly syndrome, ultrastructure of hepatic sinusoids, general appearance is consistent with occurrence of complex immunological reaction

Immunity
Foley, D. A.; and Vanderberg, J. P., 1977, Exper. Parasitol., v. 43 (1), 69-81
Plasmodium berghei, successful transmission to rats, mice, and hamsters using liver from sporozoite-infected rats without concomitant blood infections, concluded that infections were due to immature exoerythrocytic schizonts (EES), other life cycle stages rigorously excluded as cause of infectivity, immunity to malaria in sporozoite-immune mice does not extend to EES

Immunity
Ford, G. E., 1971, Immunology, v. 21 (6), 1073-1078
Trichostrongylus retortaeformis, heterogeneity of allergens and of homocytotropic antibody responses to them in rabbits

Immunity
Fox, J. C., 1976, Vet. Parasitol., v. 1 (3), 209-220
Obeliscoides cuniculi, inhibited development in rabbits: effects of active and passive immunization and resumption of larval development (fewer males developed than females), data indicate that host immune responses contribute to inhibition and that worm egg production is also responsive to immunologic control

Immunity
Frankenburg, S.; et al., 1977, Exper. Parasitol., v. 43 (2), 362-369
Plasmodium berghei, rats, appropriate balance between immunocompetent and erythropoietic cells in spleen is one of critical factors in determining fate of infected animal

Immunity
Frankenburg, S.; and Greenblatt, C. L., 1977, J. Protozool., v. 24 (4), 66A [Abstract]
Plasmodium berghei, mice with primary vs. secondary infections, cellular changes in bone marrow

Immunity
Freeman, B. J.; et al., 1973, J. Protozool., v. 20 (4), 512
effects of Trypanosoma lewisi on concurrent infections with Hymenolepis diminuta, rats

Immunity
Fregene, A. O.; et al., 1975, J. Parasitol., v. 61 (6), 1070-1073
comparative responses of radioattenuated Trypanosoma brucei and T. congolense in rats: radiation sensitivity with respect to infectivity; immunogenicity

Immunity
de Freitas, G.; et al., 1975, J. Protozool., v. 22 (3), 35A [Abstract]
no significant difference in immunoglobulin levels in chronic Chagas disease vs. uninfected controls: Bambui, Minas Gerais, Brazil

Immunity
Frenkel, J. K., 1976, National Cancer Inst. Monograph (43), 13-30
"there is justification to regard Pneumocystis from rats and man as different species. . . that from humans is designated P. jiroveci n. sp. . . . no significant morphologic differences between the two species are recognized; the separation rests on apparent species specificity and serologic differences.", morphology, physiology and immunology in relation to pathology

Immunity
Frenkel, J. K., 1977, J. Parasitol., v. 63 (4), 611-628
Besnoitia wallacei, mice, rats, cats, serologic tests, cross reactions with B. jellisoni, Toxoplasma gondii, and Sarcocystis muris, immunity to challenge, slight cross-immunity with B. jellisoni in mice and rats

Immunity
Frenkel, J. K.; and Reddy, J. K., 1977, J. Reticuloendothel. Soc., v. 21 (1), 61-68
chemical induction of liver neoplasms is delayed but not prevented in rats chronically infected with Toxoplasma gondii or Besnoitia jellisoni, possible role of activated macrophages in mediating this protection

Immunity
Fripp, P. J., 1969, Med. Proc., Johannesburg, v. 15 (21), 373-378; (22), 377-383
variations in immune reactions and resistance to schistosomiasis infections in man and exper. animals, extensive review

Immunity
Fripp, P. J., 1977, South African J. Sc., v. 73, 50-53
Schistosoma mansoni, human, immune processes, brief review

Immunity
Fuson, E. W.; Jones, A. W.; and Murray, F. A., 1976, Exper. Parasitol., v. 40 (2), 225-231
Trypanosoma lewisi, in vitro maintenance of blood stream form, cultured trypanosomes are susceptible to both trypanocidal antibodies and show longer period of susceptibility to ablastin than previously reported

Immunity
Gallie, G. J.; and Sewell, M. M. H., 1976, Trop. Animal Health and Prod., v. 8 (4), 233-242
Taenia saginata, immunization of calves with intramuscular inoculation of non-living antigen or hatched eggs, or oral infection of unhatched eggs, antibody response to challenge infection, serological and haematological responses

Immunity
Gardner, I. D.; and Remington, J. S., 1977, Infect. and Immun., v. 16 (2), 593-598
Toxoplasma gondii, mice, age-related decline in resistance to infection, possible role of serum factors and spleen cells in altered resistance of older mice

Immunity
Garnham, P. C. C., 1970, Immun. Parasitic Animals (Jackson, Herman and Singer), v. 2, 767-791
primate malaria, immunology, review

Immunity
George, C. R. P.; Parbtani, A.; and Cameron, J. S., 1976, J. Path., v. 120 (4), 235-249
Plasmodium berghei yoelii in mouse model, nephropathy and immunologic responses before and after antimalarial, immunosuppressive and anticoagulant therapy

Immunity
Gerber, H. C.; Hoerchner, F.; and Zander, B., 1976, Ztschr. Parasitenk., v. 50 (1), 57-66
Nippostrongylus brasiliensis, studies in vitro with serum or secretory antibodies from rats, no effect with antibodies from either infected or uninfected rats; degranulation of mast cells from infected rats but no effect on N. brasiliensis

Immunity
Gesinski, R. M.; and Napoletano, T. S., 1976, Science Biol. J., v. 2 (3), 84-88
Plasmodium berghei-infected mice, increased oxygen consumption by bone marrow cells, decreased oxygen consumption in presence of antibodies

Immunity
Ghanem, M. H.; et al., 1975, Egypt. J. Bilharz., v. 2 (2), 255-264
Schistosoma mansoni, humans, measurement of serum immunoglobulins at different stages of parasitic infection

Immunity
Ghanem, M. H.; et al., 1975, Egypt. J. Bilharz., v. 2 (2), 265-270
Schistosoma mansoni, measurement of immunoprecipitins to cercarial, egg, and adult worm antigens in infected persons with various clinical stages of disease

Immunity
Ghanem, M. H.; et al., 1975, Egypt. J. Bilharz., v. 2 (2), 271-276
Schistosoma mansoni, measurement of immunoprecipitins to somatic antigens in patients with liver and spleen involvement; possible roles of cercariae, adult worms, and eggs in producing pathology with schistosome ova probably initiating autoimmune reactions

Immunity
Ghose, A. C., 1976, Experientia, v. 32 (8), 1059-1061
sera from guinea pigs infected with Leishmania enriettii showed higher hemagglutination titres for neuraminidase-treated human erythrocytes than those of normal guinea pigs

Immunity
Ghose, A. C.; and Chowdhury, A. B., 1977, Indian J. Med. Research, v. 66 (4), 566-569
human malaria and kala-azar, immunoglobulin levels of persons with known infections compared with normal controls

Immunity
Ghose, A. C.; and Rowe, D. S., 1977, Immunochemistry, v. 14 (6), 459-465
Leishmania enriettii, subcellular fractionation, antigenic activity of fractions determined by micro-complement fixation, indirect radioimmunoassay, skin testing, and in vitro lymphocyte transformation, results indicate antigenic heterogeneity and suggest that major humoral and cell-mediated components of immune response in infected guinea-pigs are directed against different antigenic determinants of the parasite

Immunity
Gibson, T. E.; and Everett, G., 1976, J. Comp. Path., v. 86 (2), 269-274
Ostertagia circumcincta, lambs, effect of different levels of larval intake on faecal egg counts and weight gain, no significant acquired resistance demonstrated

Immunity
Gibson, T. E.; and Everett, G., 1977, Brit. Vet. J., v. 133 (4), 360-364
Ostertagia circumcincta, lambs, different levels of larval intake to simulate seasonal pasture conditions, effect on fecal egg output, possible grazing management regimes to reduce worm infections

Immunity
Gibson, T. E.; and Parfitt, J. W., 1972, Research Vet. Sc., v. 13 (6), 529-535
Trichostrongylus colubriformis, lambs, increased ability to develop resistance with increasing age, importance of grazing management designed to reduce hazard of infection for young animals

Immunity
Gingrich, R. E., 1973, J. Med. Entom., v. 10 (5), 482-487
Hypoderma lineatum, effects of host diet and immunosuppressant treatments (rabbit anti-mouse lymphocyte serum and whole-body irradiation) on survival and growth of larvae and on susceptibility of Mus musculus to infestation

Immunity
Gingrich, R. E.; and Barrett, C. C., 1976, J. Med. Entom., v. 13 (1), 61-65
Cuterebra fontinella, host specificity, acquisition of resistance by Peromyscus leucopus, effects of host sex on susceptibility to infection, localization of resistance, infestation by injection of larvae, interruption of infestation, effects of dose on resistance

Immunity
Gladney, W. J.; et al., 1973, J. Med. Entom., v. 10 (2), 123-130
Boophilus annulatus, Holstein cattle (exper.), high protein and fat diet vs. low protein and fat diet, effect on host resistance, hematocrit, and serum cholesterol values, and on tick development and numbers; host resistance primarily physiological rather than behavioral (self grooming)

Immunity
Goble, F. C., 1970, Immun. Parasitic Animals (Jackson, Herman and Singer), v. 2, 597-689
Trypanosoma cruzi, immunology, review

Immunity
Goedbloed, E.; et al., 1973, Ann. Trop. Med. and Parasitol., v. 67 (1), 31-43
Trypanosoma brucei subgroup, antigenic types of 38 strains isolated from more than 73,000 Glossina spp. from 4 geographically separate areas, intra- and inter-area and intra- and inter-strain comparisons, direct agglutination test used primarily: Uganda and Kenya, East Africa

Immunity
Goetz, P., 1976, Ztschr. Parasitenk., v. 50 (2), 191
defense mechanisms in invertebrates against parasites, brief review

Immunity
Goetz, P.; Roettgen, I.; and Lingg, W., 1977, Ann. Parasitol., v. 52 (1), 95-97
humoral encapsulation as a defense reaction in Diptera

Immunity
Goldring, O. L.; et al., 1976, Clin. and Exper. Immunol., v. 26 (1), 181-187
Schistosoma mansoni schistosomula cultured in human blood of various specificities, acquisition of A, B, H, and Lewis^{b} antigens at parasite surface, Rhesus, M N S, and Duffy antigens could not be detected

Immunity
Goldring, O. L.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 144-148
Schistosoma mansoni, detection of mouse host antigens and parasite antigens on surface of schistosome using indirect fluorescent antibody technique, suggests that presence of host antigens obviates binding of anti-schistosome antibody in sufficient quantity or in correct pattern to cause surface damage of schistosome

Immunity
Golenser, J.; et al., 1974, J. Protozool., v. 21 (3), 464 [Abstract]
Plasmodium berghei-infected rats, dynamics of response to sheep erythrocytes

Immunity
Golenser, J.; et al., 1977, Clin. and Exper. Immunol., v. 29 (1), 43-51
Plasmodium berghei, rats immunized with sporozoites or infected blood, indirect fluorescent antibody tests, crossreactivity using as antigen sporozoites, exoerythrocytic forms, or blood schizonts, protection or lack of protection against challenge with sporozoites or infected blood

Immunity
Golenser, J.; et al., 1977, Trop. and Geogr. Med., v. 29 (2), 204-205 [Abstract]
Plasmodium berghei-infected rats (exper.), estimation of density of exo-erythrocytic (EEF) forms at different stages of infection and comparison with normal controls indicates that blood stage interferes with the development of EEF in liver parenchymal cells of infected animals

Immunity
Golenser, J.; Shmuel, Z.; and Spira, D. T., 1975, J. Protozool., v. 22 (3), 71A [Abstract]
Plasmodium berghei-infected rats injected with sheep erythrocytes, numbers of plaque-forming cells in spleen and popliteal lymph nodes during course of infection

Immunity
Golenser, J.; Spira, D. T.; and Zuckerman, A., 1973, J. Protozool., v. 20 (4), 531-532
Plasmodium berghei, splenocytes from infected rats, spontaneous incorporation of ^{3}H-thymidine in vitro, unresponsiveness to phytohemagglutinin stimulation

Immunity
Golenser, J.; Spira, D. T.; and Zuckerman, A., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 251-258
Plasmodium berghei berghei in rats (exper.) injected with hyperimmune serum (HIS), site, mode and time of action of neutralizing antiplasmodial antibody, degree of suppression of parasitemia proportional to dose of HIS and mortality rate inversely proportional

Immunity
Golenser, J.; Verhave, J. P.; and Meuwissen, J. H. E. T., 1977, Parasitology, v. 75 (2), xxxi-xxxii [Abstract]
Plasmodium berghei, specificity of antibody responses to different life-cycle stages, results indicate different antigenic determinants but also certain common antigens

Immunity
Goodwin, L. G.; and Guy, M. W., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 156 [Abstract]
T[rypanosoma] brucei-infected rabbits, connective tissue pathology, antitrypanosomal antibody penetration of tissue fluid

Immunity
Goodwin, L. G.; and Tierney, E. D., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 21 [Demonstration]
trypanosome suspension (Trypanosoma brucei), titration technique on plastic microtest plates (Nunclon) to determine trypanocidal drug activity in body fluids and to detect contribution of humoral immunity to chemotherapeutic activity

Immunity
Goodwin, L. G.; and Tierney, E. D., 1977, Parasitology, v. 74 (1), 33-45
Trypanosoma brucei, T. evansi, bioassay technique for titration of trypanocidal activity in microtest plates using very small samples, use to study activity of plasma and tissue fluid from normal and infected rabbits treated with curative drugs, activity higher in samples from infected rabbits due to participation of immune response

Immunity
Goose, J., 1976, Parasitology, v. 73 (2), xxvi-xxvii [Abstract]
Fasciola hepatica, findings relevant to persistence of flukes in rats resistant to reinfection

Immunity
Goose, J., 1977, Parasitology, v. 75 (2), xxxv [Abstract]
Fasciola hepatica-infected rats, depressed immune response to sheep red blood cells, greater numbers of peritoneal macrophages and increased phagocytosis, increased resistance to infection with Trypanosoma congolense and Nippostrongylus brasiliensis not serum-transferable, concluded that Fasciola hepatica stimulates certain T-cell populations as well as reticulo-endothelial system

Immunity
Gougerot, M. A.; et al., 1975, Bull. Soc. Path. Exot., v. 68 (3), 297-303
elevated IgE, useful indicator of possible human parasitism in absence of allergic type conditions

Immunity
Gravely, S. M.; Hamburger, J.; and Kreier, J. P., 1976, Infect. and Immun., v. 14 (1), 178-183
Plasmodium berghei, young vs. adult rats, T and B cell population changes in relation to mechanism of age-related immunity

Immunity
Gravely, S. M.; and Kreier, J. P., 1974, Tropenmed. u. Parasitol., v. 25 (2), 198-206
Babesia microti, removal from infected hamster erythrocytes by continuous-flow ultrasonication, freed parasites collected by differential centrifugation, effectiveness of this system of lysis evaluated by electron microscopy and parasites evaluated serologically by complement-fixation testing, cross-reactions with sera from Plasmodium berghei-infected hamsters may be due to erythrocyte contamination

Immunity
Gravely, S. M.; and Kreier, J. P., 1976, Infect. and Immun., v. 14 (1), 184-190
Plasmodium berghei, rats, adoptive transfer experiments with T and B lymphocytes alone or in combination, results argue strongly for immunity transferrable by antibody-producing cells and not by T cells acting in classical cell-mediated immune responses

Immunity
Graves, I. L.; Adams, W. H.; and Pyakural, S., 1975, Am. J. Vet. Research, v. 36 (6), 843-845
Babesia bigemina, Bos grunniens moved from high to low altitude and challenged with influenza A viruses, hemolytic anemia, possible explanations, death due to Fasciola hepatica and F. gigantica, incidental finding of Bunostomum sp., Trichuris sp., Neoascaris vitulorum, Dictyocaulus sp., coccidia, some reasons for poor survival of yaks at low altitude: Nepal

Immunity
Gravina-Sanvitale, G.; and Gravina, E., 1975, Minerva Pediat., v. 27 (10), 602-606
toxoplasmosis in newborn infants, comparisons of immunoglobulin levels with those of normal infants

Immunity
Gray, J. S., 1976, Parasitology, v. 73 (2), 189-204
Raillietina cesticillus, chickens, intestinal cellular response and antibody level in primary and secondary infections

Immunity
Greenberg, Z.; and Wertheim, G., 1973, Immunology, v. 24 (3), 531-543
Nippostrongylus brasiliensis, rats, cellular responses to intraperitoneal inoculation of larvae, sequence of cell-types adhering to larvae and subsequent formation of granulomas around cell-coated larvae, initial neutrophilia in rats infected with L2 or L3 larvae, pronounced eosinophilia seen only in rats inoculated with L3 larvae

Immunity
Greenwood, B. M.; Oduloju, A. J.; and Stratton, D., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 408-410
Plasmodium falciparum, lymphocyte sub-population changes in children with acute malaria, transient increase in K cell activity suggests that K cells have role in protective response to infection

Immunity
Greenwood, B. M.; Whittle, H. C.; and Molyneux D. H., 1973, Tr. Roy. Soc. Trop. Med. and Hyg. v. 67 (6), 846-850
Trypanosoma gambiense, human, immunosuppression, cell-mediated and humoral immunity both impaired

Immunity
Grove, D. I.; Burston, T. O.; and Forbes, I. J., 1974, Clin. and Exper. Immunol., v. 18 (4), 565-569
hookworm-infested population, high serum IgE levels, serum IgE and blood eosinophil levels fell after treatment with pyrantel: Papua New Guinea

Immunity
Grove, D. I.; Hamburger, J.; and Warren, K. S., 1977, J. Infect. Dis., v. 136 (4), 562-570
Trichinella spiralis, kinetics of infection in mice (exper.), immunologic responses, resistance to reinfections, pathology

Immunity
Grove, D. I.; and Warren, K. S., 1976, Ann. Trop. Med. and Parasitol., v. 70 (4), 449-453
Trichinella spiralis, mice, niridazole suppresses cell-mediated reactions but leaves humoral antibody formation relatively intact

Immunity
Gysin, J.; and Le Corroller, Y., 1975, Compt. Rend. Acad. Sc., Paris, v. 281, s. D, Sc. Nat. (17), Oct. 27, pp. 1283-1285
Schistosoma mansoni-infected Biomphalaria glabrata, and non-infected snails, antigenic structure of hemolymph and tissue extract, immunoelectrophoresis

Immunity
Gysin, J.; and Le Corroller, Y., 1976, J. Parasitol., v. 62 (5), 697
Schistosoma mansoni, total absence of adult parasites in mice previously subjected to thermal stress, cercariae did penetrate but it appears that inflammatory reaction blocked development

Immunity
Hamburger, J.; and Kreier, J. P., 1976, Exper. Parasitol., v. 40 (2), 158-169
Plasmodium berghei free parasites (but not parasites in erythroctes) become coated with antibodies after incubation in recovered rat serum (as demonstrated by fluorescent antibody technique), this immune serum did not protect mice against inoculation of free parasites but did protect rats partially or completely, phagocytes ingested parasites more readily in prescence of immune vs. normal serum

Immunity
Hamaoka, T.; et al., 1974, J. Immunol., v. 113 (3), 958-973
Ascaris suum, mice, establishment of parameters for generation of helper T cell function regulating primary and secondary responses of IgE and IgG B lymphocytes

Immunity
Hamburger, J.; and Kreier, J. P., 1976, Tropenmed. u. Parasitol., v. 27 (3), 385-390
Plasmodium berghei berghei in immune serum, changes in dilution demonstrate interaction between protective antibodies and malaria parasites, probable involvement of low avidity antibodies that make malaria parasite-protective antibody interaction readily reversible

Immunity
Handman, E.; Spira, D. T.; and Zuckerman, A., 1977, J. Protozool., v. 24 (2), Suppl., 21A [Abstract]
Leishmania tropica amastigotes, growth in macrophages from normal and immune mice

Immunity
Hanna, R. E. B.; and Jura, W., 1977, Research Vet. Sc., v. 22 (3), 339-342
Fasciola gigantica, calves (exper.), antibody response, indirect fluorescent antibody technique, results suggest that the surface glycocalyx of newly excysted flukes provides one of the earliest antigenic stimuli for host response

Immunity
Harinasuta, T.; Gilles, H. M.; and Sandosham, A. A. [Editors], 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (4), 641-678
human malaria in southeast Asia, scientific group meeting with discussion on: epidemiology, clinical features, pathophysiology, genetic factors, immunology, diagnosis, chemotherapy, control measures

Immunity
Harland, P. S. E. G.; Frood, J. D. L.; and Parkin, J. M., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 261-262
human Plasmodium falciparum, prophylactic monthly doses of pyrimethamine given to children in endemic area did not prevent all episodes of severe malaria but were associated with lower antibody titers (possibly resulting from chloroquine therapy prescribed for febrile illnesses): Uganda

Immunity
Harness, E.; Doy, T. G.; and Hughes, D. L., 1976, Parasitology, v. 73 (2), xxv-xxvi [Abstract]
Fasciola hepatica, mice, sensitization and challenge, results confirm that no protective immune mechanism was operating in intestine or peritoneal cavity

Immunity
Harness, E.; Doy, T. G.; and Hughes, D. L., 1977, Internat J. Parasitol., v. 7 (1), 51-54
Fasciola hepatica, early migratory behaviour in sensitized mice, more rapid migration to liver accounts for lower fluke recovery from peritoneal cavity as compared to nonsensitized controls; cellular changes in intestinal wall of normal and sensitized mice following challenge infection with normal metacercariae

Immunity
Harness, E.; Doy, T. G.; and Hughes. D. L., 1977, Parasitology, v. 75 (2), v-vi [Abstract]
Fasciola hepatica, mice, number of flukes recovered from liver in primary and challenge infections, effect of time of challenge; dose size necessary to ensure sufficient number of mice with adult flukes in bile ducts, no advantage to using more than 2 metacercariae but when this number is used as challenge infection in assessing immunity it must be remembered that approximately 1/3 of the mice will fail to become infected

Immunity
Harness, E.; Hughes, D. L.; and Doy, T. G., 1976, Internat. J. Parasitol., v. 6 (1), 15-17
Fasciola hepatica, mice, demonstration of pre-hepatic immune response possibly operating in intestinal wall or gut mucus

Immunity
Hawking, F., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 427-430
Trypanosoma rhodesiense (6 clones of stabilate), polymorphic trypanosomes (12 clones of stabilate), tests for resistance to human plasma, indications for fundamental differences of genetic material

Immunity
Hayes, T. J.; Bailer, J.; and Mitrovic, M., 1975, Research Vet. Sc., v. 19 (1), 86-87
Fasciola hepatica, significant resistance to second infection in both splenectomized and sham-operated rats, presence of spleen not necessary for development of protective immunity to superinfection in rats

Immunity
Hayes, T. J.; and Mitrovic, M., 1977, J. Parasitol., v. 63 (3), 584-587
Fasciola hepatica, rats, results indicate that protective immunity is expressed within first 24 hours after challenge, dexamethasone abrogated protective effect of previous infection

Immunity
Henney, R. W.; MacLean, J. M.; and Mulligan, W., 1973, Isotopes and Radiation Parasitol. III, 3-10
Nippostrongylus brasiliensis, decline in uptake of ^{32}P-phosphate and ^{75}Se-selenomethionine from host's tissue fluids from day 7 of infection onward, recovery upon transfer to fresh rat, results imply significant interference with parasites' metabolism several days before expulsion occurs

Immunity
Henry, L.; and Beverley, J. K. A., 1976, Brit. J. Exper. Path., v. 57 (3), 274-280
Toxoplasma gondii, mice, age and sex differences in response of lymph node post-capillary venules, possible role of female sex hormones on vascular endothelium in modifying development of immune response

Immunity
Henry, L.; and Beverley, J. K. A., 1976, Virchows Arch., B Cell Path., v. 20 (1), 55-69
Toxoplasma gondii, mice, response of reticuloendothelial system to infection, changes in lymph nodes, spleen, and thymus induced by low virulence strain are indicative of immunological response but high virulence strain apparently has direct toxic effect which precludes adequate immunological response thereby allowing unrestricted proliferation and eventual host death

Immunity
Henry, L.; and Beverley, J. K. A., 1977, J. Comp. Path., v. 87 (1), 97-102
Toxoplasma gondii, rats, guinea pigs (both exper.), differences in host response to infection (serology, isolation of organism, histology)

Immunity
Hepler, D. I.; and Lueker, D. C., 1976, Abst. Ann. Meet. Am. Soc. Microbiol., 76
Nematospiroides dubius, mice (exper.), cellular and humoral response after oral immunization

Immunity
Herbert, I. V.; and Oberg, C., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 199-211
Taenia solium, incidence in man in Chile, pigs (exper.), immunological responses, in vivo and in vitro manifestations, skin testing, passive cutaneous anaphylaxis, indirect haemagglutination, attempt to correlate with autopsy findings for possible serologic diagnosis, some results with T. hydatigena also

Immunity
Herd, R. P., 1976, Parasitology, v. 72 (3), 325-334
Echinococcus granulosus protoscoleces and adults, effects of complement and/or specific antibodies in vitro

Immunity
Herd, R. P., 1977, Internat. J. Parasitol., v. 7 (2), 135-138
Echinococcus granulosus, dogs, immunization studies using arrested development and inhibition of egg production as criteria, indications that certain dogs have natural resistance which is not mediated by specific antibodies or sensitized lymphocytes to tapeworm secretory antigens

Immunity
Herlich, H.; and Douvres, F. W., 1977, J. Dairy Sc., v. 60 (2), 283-288
parasitism and calfhood diseases, immunity, immunization, pathology, review

Immunity
Herman, R., 1977, Exper. Parasitol., v. 42 (1), 211-220
Plasmodium chabaudi, physical interaction in vitro between splenic lymphocytes from immune mice and syngeneic peritoneal macrophages which had phagocytized and processed infected red cells, specific antigen-mediated binding of sensitized lymphocytes to macrophage membranes was demonstrated, interaction possible expression of role for T cells in immunity in rodent malaria

Immunity
Herman, R.; and Farrell, J. P., 1977, J. Protozool., v. 24 (3), 429-436
Leishmania donovani, mice, cyclophosphamide suppresses acquired immunity if given when infection becomes chronic, from experiments using such cyclophosphamide-immunosuppressed mice it appears that neither specific humoral anti-leishmanial antibody nor 'immune' macrophages per se is directly responsible for the acquired immunity

Immunity
Hewetson, R. W.; and Lewis, I. J., 1976, J. Parasitol., v. 62 (2), 307-311
Boophilus microplus, cattle, development of resistance, comparison of effect of two regimens of infestation (small doses daily vs. large doses intermittently) on total tick drop and on repeatability of rankings made on animals for tick resistance

Immunity
Hibbs, J. B., jr., 1973, Science (4088), v. 180, 868-870
activated macrophages with increased nonspecific microbicidal activity for an intracellular pathogen (Toxoplasma gondii) and non-specific cytotoxic activity for noncontact inhibited cells do not destroy cells with normal surfaces

Immunity
Hibbs, J. B., jr., 1974, Science (4135), v. 184, 468-471
heterocytolysis by macrophages activated by chronic infection with BCG or Toxoplasma gondii, lysosome exocytosis into tumor cells

Immunity
Hibbs, J. B.; et al., 1977, Science (4300), v. 197, 279-282
activated macrophages from mice with chronic BCG or Toxoplasma gondii infections, modulation of tumor killing potential by factors in local environment

Immunity
Hindsbo, O., 1973, Norwegian J. Zool., v. 21 (4), 328 [Abstract]
anterior migration of Nippostrongylus brasiliensis in small intestine of rats during primary and secondary infections correlated to self-cure; experiments with prednisolone-treated rats showed that anterior migration is independent of worm expulsion

Immunity
Hinz, E., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (2), 198-206
Echinococcus multilocularis, mice, intraperitoneally vs. subcutaneously infected, antibody titers correlated to parasite load, to number and size of cysts, and to number of protoscolices

Immunity
Hobbs, K. M.; Sole, E.; and Bettelheim, K. A., 1977, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 239 (3), 409-413
Toxoplasma gondii, humans, IgM is immunoglobulin class responsible for bipolar staining of trophozoites in fluorescent antibody test

Immunity
Hockmeyer, W. T.; et al., 1976, Abst. Ann. Meet. Am. Soc. Microbiol., 86
Plasmodium berghei, mice, T-cell dependency of sporozoite antigens in inducing protection against subsequent sporozoite challenge

Immunity
Hof, H.; et al., 1976, Ann. Microbiol., v. 127 B (4), 503-507
Toxoplasma gondii, nude mice, neither more susceptible nor more resistant to primary infection with virulent cells; treatment with sulfadiazine protected against acute fatal disease; only normal mice survived after treatment withdrawn; high amounts of antibodies in normal mice, none in nude mice

Immunity
Hoff, R. L.; et al., 1977, J. Parasitol., v. 63 (6), 1121-1124
Toxoplasma gondii, forms developed in culture characterized by their oral infectivity for cats and mice and by resulting prepatent periods in cats, investigation of role of antibody in formation of bradyzoites

Immunity
Hogan, J. C., jr.; and Patton, C. L., 1976, J. Protozool., v. 23 (2), 205-215
Trypanosoma brucei bloodstream forms from intact or lethally irradiated rats, freeze-cleaved and thin sectioned preparations, variation in intramembrane components, immunological implications

Immunity
Hommel, M., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 268 [Demonstration]
Leishmania donovani, infection of ascitic tumor cells in mice (exper.), possible usefulness in study of host-parasite relationships at cellular level, little immunosuppressive effect of tumor on parasitemia

Immunity
Honigberg, B. M., 1970, Immun. Parasitic Animals (Jackson, Herman and Singer), v. 2, 469-550
immunology of trichomonads, review

Immunity
Hopkins, C. A.; Goodall, R. I.; and Zajac, A., 1977, Parasitology, v. 74 (2), 175-183
Hymenolepis diminuta, H. microstoma, mice, effect of primary immunizing infection with one species on growth and survival of secondary infection with heterologous species; data on longevity and pattern of worm loss in primary H. microstoma infections in mice; results show that H. microstoma in low level infections is able to evade host immune response, heavier worm burden initiates worm loss which may be physiologically ('crowding effect') rather than immunologically mediated

Immunity
Hopkins, C. A.; and Law, M., 1976, Parasitology, v. 73 (2), xxix [Abstract]
Hymenolepis diminuta, surgical transplantation into irradiated and immunized mice vs. naive mice

Immunity
Hopkins, C. A.; and Zajac, A., 1976, Parasitology, v. 73 (1), 73-81
Hymenolepis diminuta, transplanted into various classes of mice (naive mice receiving cortisone, naive mice, irradiated naive mice, immunized mice, irradiated immunized mice), differences in time course of rejection response, surgical stress as a possible source of error

Immunity
Hosier, D. W.; and Durning, J. P., 1975, J. Parasitol., v. 61 (3), 564-566
Nematospiroides dubius, male vs. female ICR mice challenged with 200 larvae after receiving one stimulating infection of 400 larvae, effect of gonadectomy or supplemental sex hormone treatment on worm burden

Immunity
Houba, V.; Faulk, W. P.; and Matola, Y. G., 1974, Clin. and Exper. Immunol., v. 18 (1), 89-93
heterophilic antibodies to sheep erythrocytes identified in sera from both malarious and non-malarious subjects in Tanzania, in patients with sickle-cell anemia but not exposed to malaria (U.S.A.), and in rhesus monkeys infected with Plasmodium knowlesi and P. cynomolgi bastianellii, observations do not support concept that heterophilic antibodies are integrally associated with host resistance to malaria

Immunity
Howard, R. J., 1976, Parasitology, v. 72 (3), 317-323
Hymenolepis microstoma, mice infected with 1, 5, or 10 cysticercoids, infections terminated after 5, 16, or 30 days, challenge with 6 cysticercoids, growth of worms in secondary infections decreased as either intensity or duration of primary infections increased

Immunity
Howard, R. J., 1976, Parasitology, v. 73 (2), xxx [Abstract]
Hymenolepis microstoma transplanted into immune mice, young worms migrating in small intestine to bile duct were susceptible to immune response but older worms established in bile duct were not, indicates importance of bile duct for adaptation to host

Immunity
Howard, R. J., 1977, Parasitology, v. 75 (2), 241-249
Hymenolepis microstoma, change in worm susceptibility to host's resistance with increasing age of parasite suggested by experiments with worm growth in primary and secondary infection, with worms transplanted into naive or resistant mice, and with cortisone treatment of hosts

Immunity
Howell, M. J.; Sandeman, R. M.; and Rajasekariah, G. R., 1977, Internat. J. Parasitol., v. 7 (5), 367-371
Fasciola hepatica, infection schedules for production of serum in rats which passively protects naive recipients against infection, in vitro effects of this serum on metacercariae

Immunity
Howells, R. E.; and Chiari, C. A., 1975, Ann. Trop. Med. and Parasitol., v. 69 (4), 435-448
Trypanosoma cruzi, 2 strains, investigation of differences between slender and stout trypomastigotes, infectivity of different forms to mice, relationship between inoculum size, length of pre-patent period, and course of parasitemia, influence of whole-body X-irradiation and splenectomy of host on course of infection

Immunity
Hsu, S. Y. L.; et al., 1975, J. Reticuloendothel. Soc., v. 18 (3), 167-185
Schistosoma japonicum, rhesus monkeys, mechanism of immunity studied by histopathologic examinations of skin lesions elicited during immunizations and challenge with cercariae, role of cell-mediated immunity, significance of time of appearance of eosinophils, role of synergistic and cooperative functions of T and B cells

Immunity
Hsu, S. Y. L.; et al., 1976, J. Parasitol., v. 62 (6), 914-926
Schistosoma mansoni, S. japonicum, rhesus monkeys immunized with highly X-irradiated cercariae, lethal antibody in sera, in vitro effect on schistosomula (perischistosomular precipitate, perischistosomular envelope)

Immunity
Hsu, S. Y. L.; et al., 1977, J. Reticuloendothel. Soc., v. 21 (3), 153-162
Schistosoma mansoni, S. japonicum, in vitro schistosomulicidal effect of different kinds of leukocytes, both normal and sensitized eosinophils and neutrophils increased schistosomulicidal effect of either noninactivated or inactivated immune serum while lymphocytes did not, sensitized granulocytes manifested schistosomulicidal effect even in normal serum but there was no effect when medium contained normal cells and normal serum

Immunity
Hsü, S. Y. L.; et al., 1977, Exper. Parasitol., v. 43 (1), 189-195
Schistosoma japonicum-immunized Macaca mulatta, exposure to highly irradiated cercariae as a test to determine prechallenge state of immunity by studying histopathological lesions in skin, test appears to be harmless to hosts

Immunity
Hudson, K. M.; et al., 1976, Nature (5583), v. 264, 256-258
Trypanosoma brucei brucei, mice, link between immunodepression, high IgM levels and evasion of immune response

Immunity
Hudson, K. M.; and Byner, C., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 265 [Abstract]
Trypanosoma brucei brucei, mice, changes in lymphoid organ architecture

Immunity
Hughes, D. L.; Anderson, J. C.; and Harness, E., 1976, Exper. Parasitol., v. 40 (3), 355-362
Fasciola hepatica, rats sensitized either by subcutaneous implantation of adult flukes or by normal oral infection, challenge by subcutaneous vs. intraperitoneal route, comparison of responses

Immunity
Hughes, D. L.; Harness, E.; and Doy, T. G., 1976, Research Vet. Sc., v. 20 (2), 207-211
Fasciola hepatica, rats of PVG vs. SD strains, comparison of establishment and duration of infection and development of acquired resistance

Immunity
Hughes, D. L.; Harness, E.; and Doy, T. G., 1977, Nature, London (5611), v. 267, 517-518
Fasciola hepatica, rats with long-standing infection have lost ability to kill transferred adult flukes, however if these same rats are reinfected with metacercariae their ability to kill the challenge flukes is restored

Immunity
Hughes, D. L.; Harness, E.; and Doy, T. G., 1977, Parasitology, v. 75 (2), x-xi [Abstract]
Fasciola spp., ability of immunized rats to kill adult flukes

Immunity
Hussein, H. S., 1977, Ann. Trop. Med. and Parasitol., v. 71 (3), 249-253
Babesia hylomysci, B. microti, mice (exper.), recovery from primary infection of B. microti results in sterile immunity possibly for lifetime, recovery from B. hylomysci results in premunition with infection at subpatent levels with spontaneous relapses, cross-protection occurs between the two species

Immunity
Hussein, M. F.; and Amin, M. B. A., 1973, Isotopes and Radiation Parasitol. III, 91-100
Schistosoma bovis, S. mattheei, domestic animals, pathology, immunology, review

Immunity
Hustead, S. T.; and Williams, J. F., 1977, J. Parasitol., v. 63 (2), 314-321
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Trichinella spiralis, guinea pigs, infection and superinfection, leucocytolysis in vitro

Immunity
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Immunity
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Eimeria tenella, chickens, rabbits, demonstration of circulating antibodies by indirect immunofluorescent antibody test using sporozoites and second-stage schizonts as antigen

Immunity
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Toxoplasma gondii and Besnoitia jellisoni used as form of stimulation for obtaining activated macrophages, effects of activated macrophages on tumor target cells, escape from cytostasis

Immunity
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mice injected with living or killed Toxoplasma gondii or with Corynebacterium parvum, effect on macrophage-mediated cytostasis of tumor target cells

Immunity
Krahenbuhl, J. L.; and Remington, J. S., 1971, Infect. and Immun., v. 4 (4), 337-343
Toxoplasma gondii-sensitized spleen cells in vitro in presence of specific antigen have capacity to activate or enhance microbicidal properties of normal peritoneal macrophages against Listeria

Immunity
Krahenbuhl, J. L.; and Remington, J. S., 1974, J. Immunol., v. 113 (2), 507-516
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Immunity
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Immunity
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Trypanosoma cruzi, trypomastigotes incubated with immune sera, agglutination and decreased infectivity of Y strain, no apparent effect with CL strain, demonstration of antigenic variation, role of humoral immunity further confirmed by protection conferred by passive transfer of antibodies

Immunity
Krettli, A. U.; and Nussenzweig, R., 1974, Cellular Immunol., v. 13 (3), 440-446
Plasmodium berghei, mice, depletion of T and B lymphocytes during infection, probable causal relationship with malaria-induced immunosuppression

Immunity
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Immunity
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Immunity
Kuhn, R. E.; and Vaughn, R. T., 1976, Internat. J. Parasitol., v. 6 (2), 129-134
·Trypanosoma cruzi, development of indirect assay suitable for studies on immune-mediated trypanosome destruction in vitro, application to complement-dependent antibody-mediated lysis, possible utility in lymphocyte-mediated cytotoxicity and in diagnosis

Immunity
Kuil, H.; et al., 1977, Vet. Parasitol., v. 3 (1), 33-40
Eimeria maxima, Eimeria acervulina, chickens, effect of inoculation dose on indirect fluorescent antibody response, difference in immunogenicity between two species substanttiated by difference in IFA response after challenge, reinoculation with Eimeria maxima indicated that birds were immune but single infection with Eimeria acervulina did not result in solid immunity

Immunity
Kuil, H.; and Dankert-Brands, S., 1976, Vet. Parasitol., v. 2 (3), 293-298
Eimeria tenella, E. maxima, development of indirect fluorescent antibody titers in infected chickens fed rations medicated with metichlorpindol and/or methylbenzoquate, concluded that development of parasite is necessary to stimulate host to produce circulating fluorescent antibodies

Immunity
Kumar, V.; and Mortelmans, J., 1976, Parasitology, v. 72 (1), 13-18
Metastrongylus apri, guinea pigs, levamisole-terminated prepatent infection, stimulation of strong immunity to challenge, increase in serum gamma-globulin levels

Immunity
Kunstyr, I.; Ammerpohl, E.; and Meyer, B., 1977, Lab. Animal Sc., v. 27 (5), part II, 782-788
Spironucleus muris, nude mouse (exper.) an excellent model for immunologic and pharmacologic studies; dimetridazole, metronidazole, tinidazole, and Acranil tested

Immunity
Kushimo, J. B., 1976, Immunology, v. 30 (5), 635-639
IgM and IgG antibody responses to complexes of denatured Trypanosoma brucei DNA and methylated bovine serum albumin, compared to exclusive IgM response to calf thymus DNA-MBSA complexes, rabbits

Immunity
Lackie, A. M., 1976, Parasitology, v. 73 (1), 97-107
Hymenolepis diminuta, evasion of haemocytic defence reaction (encapsulation) of certain insects, results suggest that surface of cestode larvae may bear similarity to surface of host tissues and thus escape recognition as 'not-self' by host haemocytes

Immunity
Laemmler, G.; et al., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 327-341
Capillaria hepatica in Mastomys natalensis as a model system, review: infection and early development, egg production, host reactions (pathological and pathophysiological changes, serologic response), implications for human infections

Immunity
Lainson, R.; and Shaw, J. J., 1977, J. Trop. Med. and Hyg., v. 80 (2), 29-35
cross-immunity trials with Cebus apella apella and observations on natural and experimental human infections confirm separate identity of Leishmania mexicana mexicana, L. m. amazonensis, L. braziliensis braziliensis, L. b. guyanensis and L. b. panamensis

Immunity
Lang, B. Z., 1975, Proc. Oklahoma Acad. Sc., v. 55, 147-149
Fasciola hepatica, mechanism of acquired immunity, host-parasite relationships, experimental animals, review

Immunity
Lang, B. Z., 1976, J. Parasitol., v. 62 (2), 232-236
Fasciola hepatica, treatment of 16-day-old flukes in anti-worm incubate sera and anti-25-day infection sera, significant decrease in ability to continue migration in normal recipient mice; successful vaccination with a crude incubate antigen

Immunity
Lawrence, J. A., 1973, Research Vet. Sc., v. 14 (3), 400-402
Schistosoma mattheei, calves (exper.), highly susceptible to infection and reinfection, parasites survive and maintain steady albeit low rate of reproduction for long periods, but immunological suppression of egg laying has marked limiting effect on clinical illness and absence of increase in egg excretion after reinfection provides effective protection against clinical effects of reexposure

Immunity
Lawrence, J. A., 1977, Research Vet. Sc., v. 23 (2), 239-240
globule leucocytes in Schistosoma mattheei-infected Friesian steers, incidence and distribution, results indicate globule leucocytes are associated with host immune response to schistosomiasis and that they are derived from mast cells

Immunity
Lawrence, J. A., 1977, Research Vet. Sc., v. 23 (3), 280-287
Schistosoma mattheei, Friesian calves, clinical pathological changes after primary infection, two different planes of nutrition

Immunity
Lawrence, J. A., 1977, Vet. Parasitol., v. 3 (4), 291-303
Schistosoma mattheei in Friesian steers (exper.), pattern of elimination of adult worms, length of parasites and numbers of eggs in utero of worms from different parts of host body, egg output in faeces, changes appeared to be mediated by host immune response

Immunity
Lee, C. M.; Aboko-Cole, G. F.; and Fletcher, J., 1976, Ztschr. Parasitenk., v. 49 (1), 1-10
Trypanosoma musculi, vitamin A-deficient mice, increased parasitemia, delayed action of reproductive-inhibiting and terminal lytic antibodies, increase in body weight gains and food consumption

Immunity
Lee, C. M.; George, Y. G.; and Aboko-Cole, G. F., 1977, Internat. J. Biochem., v. 8 (7), 525-529
Trypanosoma lewisi in iron-deficient rats, parasitemias, trypanosome cell size and antibody formation, host body weight gains and food consumption

Immunity
Leeflang, P.; et al., 1976, Internat. J. Parasitol., v. 6 (2), 159-161
survey of 173 males using indirect fluorescent antibody technique with Babesia bovis, B. bigemina, and B. ratti as antigens, babesial antibodies detected in 54%, no correlation found with mode of living, contact with livestock, incidence of malaria parasitaemias or malarial antibodies, no Babesia organisms found in blood smears or by animal subinoculation, source of antibodies unknown but subclinical infection not likely: Nigeria

Immunity
Leger, N.; et al., 1976, Compt. Rend. Acad. Sc., Paris, v. 283, s. D (2), 187-190
Schistosoma mansoni 3 strains (Guadeloupe, Puerto Rico, African), immunological response in Rattus norvegicus var. albinos and Rattus rattus, R. rattus shows weak immunological response to the American strains and persistent infection, this may explain its role in schistosomiasis epidemiology in Guadeloupe

Immunity
Leid, R. W., 1977, Am. J. Trop. Med. and Hyg., v. 25 (6, Pt. 2), 54-60
Taenia taeniaeformis, immunity to metacestode in laboratory rat, workshop report

Immunity
Lepes, T., 1973, Acta Parasitol. Iugoslavica, v. 4 (1), 13-24
malaria, immune response, its basic elements and serological and immunological techniques for measuring it, possibilities for immunization, review

Immunity
Lepp, D. L.; and Todd, K. S., jr., 1974, J. Protozool., v. 21 (2), 199-206
Isospora canis in dogs (exper.), description, endogenous cycle, localization in small intestine; failure to reinfect previously infected dogs

Immunity
Leutskaia, Z. K., 1969, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 20, 88-90
Ascaridia galli antigen-immunized chickens, content of various forms of vitamin A in mitochondria and microsomes of spleen cells, possible role of vitamin A in antibody formation and immune process

Immunity
Leutskaia, Z. K., 1975, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 25, 71-90
Ascaridia galli in chicks, role of vitamin A in immunogenesis (increase of resistance, specific immunity, antibody formation), specifically, role in immunization

Immunity
Leventhal, R.; and Soulsby, E. J. L., 1976, Internat. J. Parasitol., v. 6 (3), 279-283
Ascaris suum larvae, adhesion and degranulation of polymorphonuclear leukocytes on surface, evaluation of serum components which are responsible for opsonization

Immunity
Le Viguelloux, J.; et al., 1971, Medecine Trop., v. 31 (4), 399-403
variations in immunologic findings of indirect immunofluorescent antibody test in human Schistosoma mansoni, no correlation between eggs excreted in urine and antibody titers

Immunity
Le Viguelloux, J.; and Barabe, P., 1974, Medecine Trop., v. 34 (5), 653-660
possible mechanisms of immunity in human Plasmodium and application to epidemiologic studies, review

Immunity
Lewert, R. M., 1970, Immun. Parasitic Animals (Jackson, Herman and Singer), v. 2, 981-1008
schistosomiasis, immunology, review

Immunity
Lewert, R. M.; et al., 1977, J. Parasitol., v. 63 (5), 825-830
Schistosoma japonicum, rejection of mouse-derived worms upon transfer to rabbits immunized with either mouse erythrocytes or mouse gamma globulin, lethality of anti-mouse rabbit sera to mouse-derived schistosomula of S. japonicum and S. mansoni in vitro, implications for mechanism of parasite survival

Immunity
Lewis, F. A.; and Colley, D. G., 1977, J. Parasitol., v. 63 (3), 413-417
Schistosoma mansoni, mice, modification of lung recovery assay (extended incubation of minced lung tissue) and correlations with worm burdens, may provide more defined indicator of protective immunity

Immunity
Lewis, F. A.; Sher, A.; and Colley, D. G., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 723-726
Schistosoma mansoni, transfer of human plasma obtained from persons with schistosomiasis mansoni to CF1 mice was unsuccessful in protecting mice against subsequent infection, lack of protection occurred even though the plasma contained high levels of anti-schistosomular antibody

Immunity
Liburd, E. M.; Armstrong, W. D.; and Mahrt, J. L., 1973, Cellular Immunol., v. 7 (3), 444-452
Eimeria nieschulzi in rats, investigation of normal immune response and of adoptive immunity with primed thoracic duct lymphocytes

Immunity
Liburd, E. M.; Pabst, H. F.; and Armstrong, W. D., 1972, Cellular Immunol., v. 5 (3), 487-489
Eimeria nieschulzi in rats as an animal model for evaluation of dialyzable transfer factor, partial but significant immunity induced by injection of transfer factor from immune syngeneic animals

Immunity
von Lichtenberg, F.; et al., 1976, Am. J. Path. (412), v. 84 (3), 479-500
Schistosoma mansoni, eosinophil-enriched inflammatory response to schistosomula in skin of immune mice, immune cellular responses are limited to early time period after penetration and are morphologically suggestive of antibody-mediated response rather than of delayed hypersensitivity

Immunity
von Lichtenberg, F.; Sher, A.; and McIntyre, S., 1977, Am. J. Path. (419), v. 87 (1), 105-124
Schistosoma mansoni schistosomula, mice as experimental hosts for analyzing dynamics of cellular and humoral processes in lung, immunologic relationships to host resistance

Immunity
Lie Kian Joe; and Heyneman, D., 1976, J. Parasitol., v. 62 (2), 292-297
laboratory-raised juvenile albino Biomphalaria, wide range of natural resistance to single infection with 50 or 100 miracidia of Echinostoma lindoense, migration route of sporocysts in relation to likelihood of sporocyst entrapment and encapsulation and destruction, tissue reactions, changes in amebocyte-producing organ

Immunity
Lie Kian Joe; and Heyneman, D., 1976, J. Parasitol., v. 62 (2), 298-302
Biomphalaria glabrata, formation of amebocyte aggregates that fail to destroy Echinostoma lindoense sporocysts in heart, subsequent loss of protective capacity and high susceptibility to reinfection in snails harboring such an "escaped" infection

Immunity
Lie Kian Joe; Heyneman, D.; and Jeong, K. H., 1976, J. Parasitol., v. 62 (2), 286-291
Echinostoma lindoense-sensitized Biomphalaria glabrata, induction of ventricular capsules, changes in constituent amebocytes of capsule, relationship of sporocyst encapsulation to amebocyte-producing organ

Immunity
Lindberg, R. E.; and Frenkel, J. K., 1977, Infect. and Immun., v. 15 (3), 855-862
Toxoplasma gondii and Besnoitia jellisoni in vitro in hamster peritoneal exudate cells, antigenic stimulation of peritoneal cells and expression of immunity, inhibition of parasite growth by peritoneal macrophages armed either specifically or nonspecifically, expression of immunity by cells derived from hamsters treated with cortisol, effects of cortisol on (1) immune and non-immune lymphocytes, (2) arming of macrophages by lymphocytes, (3) the ability of peritoneal macrophages to destroy antibody-treated parasites

Immunity
Liston, A. J.; and Baker, J. R., 1977, J. Protozool., v. 24 (4), 41A [Abstract]
Trypanosoma dionisii, attachment and entry to mouse peritoneal macrophages in vitro and involvement of membrane receptors, relative roles of non-specific and specific immunological factors in these processes need further clarification

Immunity
Ljungstroem, I.; and Huldt, G., 1977, Acta Path. et Microbiol. Scand., v. 85C (2), 131-141
Trichinella spiralis, mice, humoral and cellular immune responses to unrelated antigens at different stages of infection, humoral response depressed during short period of infection but depression of cell mediated response is more severe and longer lasting

Immunity
Ljungstroem, I.; and Ruitenberg, E. J., 1976, Clin. and Exper. Immunol., v. 24 (1), 146-156
Trichinella spiralis, thymectomized lethally irradiated CBA mice, immunohistological and serological response to oral infection, data support thymus dependency of host response against Trichinella

Immunity
Locatelli, A.; and Simonic, T., 1974, Folia Vet. Latina, v. 4 (1), 43-70
Fasciola hepatica, short review of physiology, biochemistry, pathogenicity, immunology, and diagnosis (fecal examination, complement fixation, precipitation, haemagglutination, flocculation, and allergy tests, indirect immunofluorescence)

Immunity
Loehr, K.F., 1972, J. Protozool., v. 19 (4), 658-660
Babesia bigemina, immunity in cattle (exper.), concluded that premunity is followed by sterile immunity which lasts for at least 6 months and thereafter fades gradually with time, also concluded that minimum period of contact between host and parasite is required for acquisition of immunity, capillary tube agglutination test sensitive but unsuitable for detection of carrier animals

Immunity
Loehr, K. F.; and Meyer, H., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (2), 192-197
Anaplasma organisms isolated in splenectomized calves following blood inoculation from Connochaetes taurinus, Alcelaphus buselaphus cokii, and Gazella thomsonii, morphologically indistinguishable from Aepyceros melampus, mild reaction of receptor calves to antelope-derived infection and severe reaction to subsequent A. melampus challenge, indirect fluorescent antibody results established close antigenic relationship between antelope anaplasms and A. melampus and less so to Anaplasma centrale: Kenya

Immunity
Loehr, K. F.; Ross, J. P. J.; and Meyer, H., 1974, Tropenmed. u. Parasitol., v. 25 (2), 217-226
sera of 1505 game animals of 19 different species screened for antibodies to Anaplasma marginale, Babesia bigemina, and Theileria parva, capillary tube agglutination and indirect fluorescent antibody tests, antibodies more prevalent in sera of antelopes grazing in vicinity of non-dipped cattle than in areas where cattle are either dipped regularly or are not present at all, need for studies on transmission of these organisms from game to cattle and vice versa: Kenya; Tanzania; Uganda; Zambia

Immunity
Londono, I., 1974, Bol. Chileno Parasitol., v. 29 (3-4), 64-71
Trichinella spiralis, antigenic differences between larvae and adults demonstrated by development of stage-specific precipitin antibodies

Immunity
Londono, I., 1974, Bol. Chileno Parasitol., v. 29 (3-4), 72-78
Trichinella spiralis, association of antilarval and anti-adult precipitin antibodies with specific immunoglobulins, rats

Immunity
Long, P. L.; and Millard, B. J., 1976, Ztschr. Parasitenk., v. 48 (3-4), 287-290
Eimeria spp., immunized chickens, oocysts produced after corticosteroid treatment in some birds, possibly endogenous cycle continues or remains dormant; possible means of diagnosis of occult infection in apparently immune hosts

Immunity
Long, P. L.; and Speer, C. A., 1977, Symposia Brit. Soc. Parasitol., v. 15, 1-26
Coccidia, invasion of host cells, symposium presentation: general considerations; excystation; invasion of cells by Eimeria in vivo; host reactions to invasion by Eimeria; invasion of cells by Eimeria sporozoites in vitro; factors affecting invasion of cells by sporozoites; invasion of cultured cells by merozoites; invasion of cells by Toxoplasma

Immunity
Longstaffe, J. A.; Freeman, J.; and Hudson, K. M., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 264-265 [Abstract]
Trypanosom[a] brucei brucei, mice, some thymus-dependent and thymus-independent immune responses, results support postulation of either impaired T cell viability or impaired T-B cell interaction

Immunity
Loose, L. D.; and Di Luzio, N. R., 1976, Am. J. Trop. Med. and Hyg., v. 25 (2), 221-228
Plasmodium berghei, mice, temporal relationship between reticuloendothelial system phagocytic alterations and antibody responses, implications for mechanism of malaria-induced immunosuppression

Immunity
Lopez D., T., 1976, J. Protozool., v. 23 (2), 17A [Abstract]
Trypanosoma venezuelense, rats, serum proteins

Immunity
Love, R. J.; and Ogilvie, B. M., 1977, Exper. Parasitol., v. 41 (1), 124-132
Nippostrongylus brasiliensis, Trichinella spiralis, rats, increased localization of thoracic duct lymphoblasts in small intestine, not correlated with presence of antigen but related to factors associated with inflammation, no increase in blast localization in lactating vs. nonlactating rats but increased localization in lactating mammary gland

Immunity
Love, R. J.; Ogilvie, B. M.; and McLaren, D. J., 1976, Immunology, v. 30 (1), 7-15
Trichinella spiralis, duration of infections in rats (young, adult, and lactating), rapidity of expulsion from previously infected rats, transfer of immunity with antiserum and lymph node cells, ultrastructural signs of antibody damage to worms, results suggest that mechanism of immune expulsion requires both antibody and cells, comparison with Nippostrongylus brasiliensis

Immunity
Lubiniecki, A. S.; and Cypess, R. H., 1975, Tropenmed. u. Parasitol., v. 26 (3), 329-333
Trichinella spiralis in mice (exper.), effects of helminth infections on tumor development and variations in host immune reactions

Immunity
Lubiniecki, A. S.; Cypess, R. H.; and Lucas, J. P., 1974, Tropenmed. u. Parasitol., v. 25 (3), 345-349
Trichinella spiralis-infected mice, altered distribution of intravenously injected sheep erythrocytes (reduced uptake by spleen) but no significant depression of resultant plaque-forming cells or circulating HA antibody

Immunity
Luckins, A. G., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 272-273 [Abstract]
Trypanosoma congolense, T. vivax, cattle, elevated IgM levels: Uganda

Immunity
Luckins, A. G., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 148-149 [Abstract]
Trypanosoma congolense, T. vivax in zebu cattle, increased levels of IgM in presence of infection

Immunity
Luckins, A. G., 1975, Ann. Trop. Med. and Parasitol., v. 69 (3), 337-344
Trypanosoma vivax, T. brucei, T. congolense-infected Tragelaphus scriptus, serum immunoglobulin levels and relative proportions of serum proteins, compared with Zebu cattle

Immunity
Luckins, A. G., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 272-273 [Abstract]
trypanosome-infected Tragelaphus scriptus from endemic areas, increased immunoglobulin levels: Uganda

Immunity
Luckins, A. G., 1976, Ann. Trop. Med. and Parasitol., v. 70 (2), 133-145
Trypanosoma congolense, T. vivax, zebu cattle (exper.), serum immunoglobulin levels during infection and after administration of diminazene aceturate

Immunity
Luckins, A. G.; and Mehlitz, D., 1976, Ann. Trop. Med. and Parasitol., v. 70 (4), 479-480
Trypanosoma brucei, T. vivax, T. congolense, cattle (exper.), single or mixed infections, serum immunoglobulin levels

Immunity
Lumsden, W. H. R., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 74-75 [Letter]
Leishmania spp., classification of taxonomic characters using morphology, chemical structure, immunologic effect, behaviour and clinical outcome in man as criteria

Immunity
Lustig, H. J.; Nussenzweig, V.; and Nussenzweig, R. S., 1977, J. Immunol., v. 119 (1), 210-216
Plasmodium berghei-infected mice, IgG and IgM present on circulating erythrocytes (both parasitized and nonparasitized), this Ig could be part of immune complexes nonspecifically bound to cell surface or could constitute autoantibodies against reticulocytes or antibodies against parasite antigens present on cell membrane

Immunity
Lyra, L. G.; Reboucas, G.; and Andrade, Z. A., 1976, Gastroenterology, v. 71 (4), 641-645
hepatitis B surface antigen carrier state in hepatosplenic human Schistosoma mansoni, incidence and possible correlations with abnormal immune responses and hepatic pathology and cirrhosis

Immunity
MacCallum, D. K., 1969, J. Reticuloendothel. Soc., v. 6 (3), 232-252
Plasmodium berghei-infected Mesocricetus auratus, sequential changes demonstrated by hepatic system of macrophages during acute infection and after treatment, evidence indicates that macrophages containing endogenous pigment formed by disease process react in identical fashion to macrophages containing exogenous particulate matter (carbon)

Immunity
MacCallum, D. K., 1969, J. Reticuloendothel. Soc., v. 6 (3), 253-270
Plasmodium berghei-infected Mesocricetus auratus, macrophage interactions with pulmonary vasculature during acute infection and after drug therapy

Immunity
McCarthy, V. C.; and Clyde, D. F., 1977, Exper. Parasitol., v. 41 (1), 167-171
Plasmodium vivax, human, correlation of circumsporozoite precipitation reaction with sporozoite-induced protective immunity

Immunity
McCullough, F. S.; and Bradley, D. J., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 475-490
Schistosoma haematobium, schoolchildren, repeated egg counts on urines collected over 2 months at same season in 3 years, short-term variations and long-term stability in egg output for each individual child, observations suggest occurrence of concomitant immunity to superinfection: Tanzania

Immunity
McDonald, V.; and Phillips, R. S., 1975, J. Protozool., v. 22 (3), 54A [Abstract]
Plasmodium v[inckei] chabaudi, mice, adoptive transfer of whole spleen cell population vs. populations enriched with either T- or B-lymphocytes

Immunity
McDonald, V.; and Phillips, R. S., 1977, J. Protozool., v. 24 (2), Suppl., 4A [Abstract]
Plasmodium chabaudi, mice, transfer of immune spleen cells and immune serum, protective activity was potentiated in irradiated hosts

Immunity
McFarlane, H., 1976, Proc. Nutrition Soc., v. 35 (3), 263-272
parasitic infestation, preschool children, malnutrition and impaired immune response, brief review comment: Nigeria

Immunity
McGhee, R. B., 1970, Immun. Parasitic Animals (Jackson, Herman and Singer), v. 2, 295-329
avian immunity, general mechanisms and principles, review

Immunity
McGhee, R. B., 1970, Immun. Parasitic Animals (Jackson, Herman and Singer), v. 2, 331-369
immunity to avian malaria, review

Immunity
McGreevy, P. B.; et al., 1975, J. Helminth., v. 49 (2), 107-113
Brugia pahangi, larval and adult stages transferred from donor cats to jirds immunized against cats survived as well as in normal jirds, infective larvae transferred from mosquitoes to cats immunized against mosquitoes survived as well as in normal cats, host antigenic determinants not detected on parasite surface in substantial amounts using fluorescent antibody techniques

Immunity
McLaughlan, P.; et al., 1974, Clin. and Exper. Immunol., v. 16 (3), 375-381
serum IgE detected in all but 3 of 52 patients with primary or secondary hypogammaglobulinaemia despite very low or unrecordable levels of serum IgG, IgA, and IgM, presence of giardiasis was not related to level of serum IgE

Immunity
McLeod, R.; and Remington, J. S., 1977, Cellular Immunol., v. 34 (1), 156-174
Toxoplasma gondii, Besnoitia jellisoni, mice, studies on specificity of killing of intracellular pathogens by macrophages

Immunity
McLeod, R.; and Remington, J. S., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 170-186
Toxoplasma gondii, influence of infection on macrophage function, role of macrophages in resistance, workshop report

Immunity
McLeod, R.; and Remington, J. S., 1977, J. Immunol., v. 119 (6), 1894-1897
Toxoplasma gondii, incorporation of tritium-labelled deoxyuridine into nucleic acids used to evaluate intracellular inhibition of multiplication or killing by mononuclear phagocytes

Immunity
Maddison, S. E.; Hicklin, M. D.; and Kagan, I. G., 1976, Exper. Parasitol., v. 39 (1), 29-39
Schistosoma mansoni, Macaca mulatta, delayed hypersensitivity and reduction in clinical manifestations and in worm burdens conferred by serum and transfer factor from immune or normal rhesus monkeys, results suggest intimate interaction between cellular and humoral immune mechanisms in this host-parasite model

Immunity
Madwar, M. A.; and Voller, A., 1977, Tropenmed. u. Parasitol., v. 28 (1), 57-62
Schistosoma haematobium and S. mansoni in humans, immunoserologic investigations indicate that both antibody and circulating antigen can be detected, relations with immune-complex nephritis and pathology of infections still unclear

Immunity
Magliulo, E.; et al., 1976, Exper. Parasitol., v. 39 (1), 143-149
Toxoplasma gondii, experimentally infected rats, human patients, immunocytoadherence phenomenon (specific binding of antigen-coated erythrocytes to lymphoid cells), possible new approach for understanding mechanism of immune response and for facilitating early diagnosis

Immunity
Mahajan, R. C.; and Dutta, D. V., 1976, Indian J. Med. Research, v. 64 (5), 652-655
detection of malarial antibodies in humans with non-cirrhotic portal fibrosis, discussion of malaria as possible etiologic factor in hepatic disease

Immunity
Mahmoud, A. A. F.; Warren, K. S.; and Strickland, G. T., 1976, Nature, London (5572), v. 263, 56-57
acquired resistance to infection with Schistosoma mansoni induced by Toxoplasma gondii, mice, probably a nonspecific mechanism totally different from that of specific immunity

Immunity
Mahoney, D. F.; Wright, I. G.; and Mirre, G. B., 1973, Ann. Trop. Med. and Parasitol., v. 67 (2), 197-203
Babesia argentina, B. bigemina, calves, persistence of immunity after natural infection in early life and subsequent tick-free maintenance, concluded that animals naturally infected during calfhood are unlikely to require vaccination for protection against babesiosis in later life

Immunity
Maier, W. A., 1976, Ztschr. Parasitenk., v. 48 (3-4), 151-179
arthropod vectors of human parasites, pathology, defence, evolution of cycles and parasite-vector relationships, extensive theoretical review

Immunity
Manger, B. R., 1976, Parasitology, v. 73 (2), xiii-xiv [Abstract]
Nematospiroides dubius, mice, anthelmintic-terminated immunizing infections (Cambendazole selected as most active), variation in degree of protection between host strains, timing of termination of immunizing infection indicated exsheathment per se not essential in production of resistance, protection could not be transferred with serum alone

Immunity
Mansfield, J. M.; Craig, S. A.; and Stelzer, G. T., 1976, Infect. and Immun., v. 14 (4), 976-981
Trypanosoma brucei, T. congolense, mitogenic effects of trypanosome extracts in vitro for lymphocytes from normal rabbits, possible relationship to immunological dysfunctions occurring in chronic African trypanosomiasis

Immunity
Marsden, P. D.; et al., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (3), 247-251
Trypanosoma cruzi, rhesus monkeys (exper.), xenodiagnosis superior to blood culture or animal inoculation in detecting subpatent infection, serological reactions during early chronic phase and reactions to challenge with different strain, possible application as model for human infections

Immunity
Martin, J.; and Lee, D. L., 1976, Parasitology, v. 72 (1), 75-80
Nematodirus battus, appearance of large hexagonal crystals blocking intestine, lipoprotein in composition, apparently associated with development of immunity to this nematode in lambs

Immunity
Marucci, A. A.; Halliday, D.; and Mueller, J. F., 1977, J. Parasitol., v. 63 (1), 170-171
Spirometra mansonoides, use of unlabeled antibody immunohistochemical technique for demonstration of mouse immunoglobulin on surface of worms taken from infected mice; calcareous corpuscles also have heavy concentrations of reaction products but in controls as well

Immunity
Masihi, K. N.; and Werner, H., 1976, Infect. and Immun., v. 13 (6), 1678-1683
Toxoplasma gondii, mice immunized with varying doses, rosette-forming cell response studied by immunocytoadherence

Immunity
Masihi, K. N.; and Werner, H., 1977, Experientia, v. 33 (12), 1586-1587
anti-Toxoplasma antibodies administered passively to mice may lead to suppression or enhancement of subsequent antibody response when these animals are later infected with Toxoplasma gondii, outcome dependent on infecting strain of Toxoplasma and antigen-antibody ratio, implications for possible influence which passively acquired maternal antibody may exert on foetus

Immunity
Masihi, K. N.; and Werner, H., 1977, Zentralbl. Bakteriol., 1 Abt., Orig., v. 237 (2-3), 405-410
Toxoplasma gondii, mice, kinetics of antibody-mediated suppression of humoral immune response at a cellular level

Immunity
Mason, S. J.; et al., 1977, Brit. J. Haematol., v. 36 (3), 327-335
Plasmodium knowlesi, evaluation of role of Duffy blood group negative erythrocytes in host resistance to invasion by P. knowlesi merozoites

Immunity
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Plasmodium falciparum, P. malariae, infants and young children, prevalence of malaria antibody evaluated using indirect hemagglutination test with P. falciparum antigen and filter paper blood specimens, slight decline in 6- to 8-month-old children with no demonstrable parasitemia but those older than 10 months had similar antibody levels regardless of presence or absence of demonstrated parasites in blood smears: Ivory Coast

Immunity
Matossian, R. M.; et al., 1976, Internat. J. Parasitol., v. 6 (5), 367-371
Echinococcus granulosus, human, serum immunoglobulin levels, significant increase in IgG, increase in IgM and IgA significant only in pulmonary cases, no significant correlation between haemagglutinating and complement fixing antibody titres and respective IgG and IgM levels, IgD levels not different between patients and controls, elevated IgE in 77%, persistent hyperglobulinemia in post-operative follow-ups

Immunity
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Trichinella spiralis, human, time course development of serum immunoglobulin levels

Immunity
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Leishmania enriettii, L. tropica major, L. aethiopica, L. mexicana amazonensis, numerical immunotaxonomy, differentiation according to reactivity and cross-reactivity in tests of parasite agglutination, indirect immunofluorescence, and passive cutaneous anaphylaxis

Immunity
Mauel, J.; and Behin, R., 1974, Transplant. Rev., v. 19, 121-146
cell-mediated and humoral immunity to protozoan infections (leishmaniasis, malaria, trypanosomiasis), review

Immunity
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Nippostrongylus brasiliensis, rats, potentiating effects of infection on IgE antibody production after two injections of egg albumin, IgG$_a$ antibody not potentiated

Immunity
Meerovitch, E.; and Bomford, R., 1977, Ann. Trop. Med. and Parasitol., v. 71 (2), 245-247
Trichinella spiralis, potentiator of macrophage-mediated immunity

Immunity
Mehlitz, D.; and Ehret, R., 1974, Tropenmed. u. Parasitol., v. 25 (1), 3-10
Anaplasma, Babesia, Theileria, cattle, serological survey, capillary-tube agglutination test, indirect fluorescent antibody test, and complement fixation test: Botswana

Immunity
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comparative immunologic studies on fish and invertebrate (Fasciola hepatica) collagens

Immunity
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human Onchocerca volvulus and Dipetalonema streptocerca in persons with leprosy, altered Mazzotti reactions following administration of diethylcarbamazine, possible immunological implications

Immunity
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Plasmodium berghei yoelii, non-specific resistance in mice increased by injection of bacterial phospholipid extract

Immunity
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nematode infections in grazing animals, epidemiology and control, extensive review: free-living stages (bionomics, transport); parasitic stages (population regulation, immunity, host differences, arrested development, post-parturient rise); parasitic gastro-enteritis in sheep and cattle; parasitic bronchitis in cattle

Immunity
Michel, J. F.; Lancaster, M. G.; and Hong, C., 1976, Internat. J. Parasitol., v. 6 (1), 83-86
Ostertagia ostertagi females, variation in form of vulval flap, effect of genetic factors much smaller than effect of host resistance

Immunity
Miller, A. M.; Colley, D. G.; and McGarry, M. P., 1976, Nature, London (5569), v. 262, 586-587
Schistosoma mansoni-infected mice, ability of spleen cells to produce diffusible stimulator of eosinophilopoiesis in response to injection of soluble schistosomal egg antigenic preparation

Immunity
Miller, L. H.; et al., 1976, N. England J. Med., v. 295 (6), 302-304
Plasmodium vivax, resistance factor in African and American blacks, Duffy determinants on erythrocyte surface required for invasion of erythrocyte by vivax merozoites (Duffy-blood-group-negative human erythrocytes resistant to invasion)

Immunity
Miller, L. H.; Aikawa, M.; and Dvorak, J. A., 1975, J. Immunol., v. 114 (4), 1237-1242
Plasmodium knowlesi, immune serum agglutinated merozoites in culture, agglutinated merozoites attached to erythrocytes but were unable to invade, merozoite agglutination was caused by binding of surface coats on adjacent parasites

Immunity
Miller, L. H.; Powers, K. G.; and Shiroishi, T., 1977, Exper. Parasitol., v. 41 (1), 105-111
Plasmodium knowlesi in rhesus monkeys, no correlation between functional immunity and results of 2 in vitro tests (schizont-infected cell agglutination test; suppression of merozoite invasion by immune serum)

Immunity
Minard, P.; Murrell, K. D.; and Stirewalt, M. A., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 491-499
Schistosoma mansoni cercaria, material secreted by preacetabular gland sufficiently immunogenic to induce antibodies in mice (exper.) but not sufficient to afford protection against subsequent infections

Immunity
Mitchell, G. F., 1976, Internat. Arch. Allergy and Applied Immunol., v. 52 (1-4), 79-94
Ascaris suum body fluid as antigen mixture, mice, effects on circulating reagin titers of manipulations such as T cell deprivation and reconstitution, lipopolysaccharide and cyclophosphamide injection, and altered route of administration of antigen

Immunity
Mitchell, G. F., 1977, Internat. Arch. Allergy and Applied Immunol., v. 53 (4), 385-388
Babesia rodhaini, hypothymic BALB/c.nu/nu mice are more resistant than intact BALB/c. nu/+ mice, proportion of nu/nu survivors is not affected by administration of amicarbalide whereas majority of nu/+ mice develop long-lasting resistance to infection, data suggest that T cell dependent activities are involved in acceleration of parasitaemia and in development of drug-assisted resistance; nu/nu mice are not more resistant than nu/+ mice to Plasmodium berghei

Immunity
Mitchell, G. F.; et al., 1976, Internat. Arch. Allergy and Applied Immunol., v. 52 (1-4), 64-78
Ascaris suum, mouse strain variation in susceptibility, resistance to second infection, comparison of susceptibility of normal vs. hypothymic nu/nu mice, appearance of antibodies in infected mice reacting with phosphorylcholine

Immunity
Mitchell, G. F.; et al., 1976, Internat. Arch. Allergy and Applied Immunol., v. 52 (1-4), 95-104
Nippostrongylus brasiliensis infections in hypothymic nu/nu mice

Immunity
Mitchell, G. F.; et al., 1977, Austral. J. Exper. Biol. and Med. Sc., v. 55 (2), 187-211
Mesocestoides corti, examination of host immunoglobulins (in particular, antiparasite antibodies) associated with parasite larvae, comparison in hypothymic vs. intact mice

Immunity
Mitchell, G. F.; Goding, J. W.; and Rickard, M. D., 1977, Austral. J. Exper. Biol. and Med. Sc., v. 55 (2), 165-186
Taenia taeniaeformis (Cysticercus fasciolaris), mice, antibodies and complement as factors influencing susceptibility/resistance; markedly increased susceptibility of certain complement-deficient mouse strains (in particular, males), of hypothymic mice, and of cyclophosphamide-treated mice; impressive protective activity of immune serum

Immunity
Mitchell, G. F.; and Lewers, H. M., 1976, Internat. Arch. Allergy and Applied Immunol., v. 52 (1-4), 235-240
Ascaris suum, Nippostrongylus brasiliensis, mice, inhibition of an anti-DNP antibody response with DNP-Ficoll containing phosphorylcholine, results suggest that parasites may 'utilize' molecules such as phosphorylcholine to induce state of selective tolerance to parasite antigens as a mechanism for facilitating survival

Immunity
Mitchell, G. H.; et al., 1976, Parasitology, v. 72 (2), 149-162
Plasmodium falciparum, techniques for in vitro cultivation, immune IgG-mediated inhibition of development in vitro

Immunity
Mkwananzi, J. B.; Franks, D.; and Baker, J. R., 1976, Nature, London (5542), v. 259, 403-404
Trypanosoma dionisii, destruction of antibody-coated trypanosomes by normal human lymphoid cells

Immunity
Moore, D. L.; Grove, D. I.; and Warren, K.S., 1977, J. Path., v. 121 (1), 41-50
Schistosoma mansoni egg granuloma in mice (exper.), dynamics of cellular infiltrates in granuloma and relationship to host immunologic state; sensitization with egg antigen accelerated granuloma formation

Immunity
Moorhouse, D. E., 1975, Ztschr. Parasitenk., v. 48 (1), 65-71
Argas persicus, larvae, feeding on chickens, histological studies, penetration by lysis, foreign body reaction, whole blood as diet throughout feeding, emigration of heterophils to surround mouthparts and mask them against foreign body reaction, example of adaptation tolerance; immunological response to salivary secretions not suppressed

Immunity
Moqbel, R.; and Denham, D. A., 1977, J. Helminthol., v. 51 (4), 301-308
Strongyloides ratti, primary and secondary infections in small intestine of rats: course of infections; changes in size of worms; distribution and migration of adult worms in intestine

Immunity
Morris, N.; et al., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 557-558 [Demonstration]
E[ntamoeba] histolytica antigen uptake by lymphocytes from infected and normal subjects compared

Immunity
Moriearty, P. L.; and Brito, E., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 717-722
Schistosoma mansoni, elution of antischistosome antibodies from kidney tissue obtained from schistosomiasis and control cases, IgG eluted from infected cases showed specific activity against schistosome antigen while those from controls showed no fluorescence

Immunity
Morrow, D. T.; Wescott, R. B.; and Davis, W. C., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 382-386
Trypanosoma cruzi in mice (exper.), long-term treatment with Bayer 2502 did not destroy host's ability to withstand challenge infections and indicated that host "cured" of acute infection may be resistant to reinfection

Immunity
Mott, K. E.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (4), 552-562
epidemiology and household distribution of seroreactivity to Trypanosoma cruzi in defined rural population in endemic area, analysis of seropositivity with age and sex of host and possible correlations with immunologic factors: Brazil

Immunity
Moulton, J. E.; Coleman, J. L.; and Gee, M. K., 1975, Am. J. Vet. Research, v. 36 (4), 357-366
Trypanosoma equiperdum, pathogenesis in rabbits, lesions in skin, spleen, lymph nodes, and kidney, amyloid deposition, serum and tissue IgM and IgG, fluorescent antibody studies, agglutination test, depressed antibody response to ovine erythrocytes

Immunity
Moulton, J. E.; and Sollod, A. E., 1976, Am. J. Vet. Research, v. 37 (7), 791-802
Trypanosoma brucei, calves (exper.), clinical changes, parasitemia, antibody titration (indirect fluorescent antibody technique), IgG and IgM, histopathology

Immunity
Movsesijan, M.; et al., 1975, Research Vet. Sc., v. 18 (2), 171-174
IgG immunoglobulin levels and indirect fluorescent antibody titres to Fasciola hepatica digestive tract antigens in exper. infected lambs, antibody activity demonstrated in IgG-1 but not in IgG-2

Immunity
Mugera, G. M.; Mworia, G. M.; and Munyua, W. K., 1973, Bull. Epizoot. Dis. Africa, v. 21 (4), 501-505
T[heileria] parva, calves (exper.), transmission by Rhipicephalus appendiculatus, reduction of parasites and, in some cases, complete recovery and immunity after early treatment with chlortetracycline hydrachloride

Immunity
Muhammed, S. I.; Lauerman, L. H., jr; and Johnson, L. W., 1975, Am. J. Vet. Research, v. 36 (4), Part 1, 399-402
Theileria parva, cattle experimentally infected with standardized suspensions of infected Rhipicephalus appendiculatus, treatment with immune serum or concentrated immune globulins, no effect on establishment of infection nor clinical and hematologic changes, immunity seen in cattle recovered from East Coast fever is therefore probably cell-mediated

Immunity
Mukerji, K.; et al., 1976, Indian J. Med. Research, v. 64 (11), 1611-1619
Ascaris lumbricoides var. hominis, purification and protein properties of trypsin inhibitor located in muscular and cuticular layers of parasite, speculations on immunologic role

Immunity
Mullin, S. W.; Colley, F. C.; and Welch, Q. B., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (1), 93-98
Eimeria spp., mark-release-recapture techniques used to study ecology of coccidia in Malaysian rain-forest mammals, seasonal variations, reinfection records, immunity: Bukit Lanjan Forest Reserve, West Malaysia

Immunity
Munday, B. L.; et al., 1975, Research Vet. Sc., v. 18 (2), 218-219
Toxoplasma gondii, sera from aborted or newborn lambs with congenital infections fractionated on Sephadex G-200, sera and fractions tested for antibodies using indirect fluorescent antibody test, most of antibody found in IgG fraction

Immunity
Murray, M.; and Urquhart, G. M., 1977, Advances Exper. Med. and Biol., v. 93, 209-241
African trypanosomiasis, immunoprophylaxis, review: cattle and sheep, laboratory animals; chemotherapeutic agents and immunity, nature of protective antigen, effector mechanisms in protection, manipulation of host resistance

Immunity
Murrell, K. D.; Dean, D. A.; and Stafford, E. E., 1975, Am. J. Trop. Med. and Hyg., v. 24 (6, pt. 1), 955-962
resistance to infection with Schistosoma mansoni after immunization with worm extracts or live cercariae: role of cytotoxic antibody in mice and guinea pigs

Immunity
Musoke, A. J.; et al., 1975, Immunology, v. 29 (5), 845-853
Taenia taeniaeformis, passive transfer of resistance to newborn rats via colostrum and milk (not prenatal transmission of antibodies), role of colostrally derived antibodies of defined immunoglobulin classes (evidence of protective activity of γA, but 7S probably primarily responsible)

Immunity
Musoke, A. J.; and Cox, H. W., 1977, J. Parasitol., v. 63 (3), 464-470
Plasmodium chabaudi, adaptation to rat host, immune responses in rats and in mice to rat strain, resistance to challenge with homologous and heterologous strains and to Babesia rodhaini, elaboration of soluble serum antigen in mice infected with rat strain

Immunity
Musoke, A. J.; and Williams, J. F., 1975, Immunology, v. 29 (5), 855-866
Taenia taeniaeformis, rats, sequential appearance of protective immunoglobulins studied in passive transfer experiments, mechanism of action of 7Sγ2a antibodies, susceptibility of early postoncospheral stages to antibody-mediated attack was complement dependent

Immunity
Musoke, A. J.; and Williams, J. F., 1976, Internat. J. Parasitol., v. 6 (3), 265-269
intraperitoneally implanted metacestodes of Taenia taeniaeformis or T. crassiceps (but not Echinococcus granulosus cysts) provoked high resistance to oral challenge with T. taeniaeformis eggs, resistance passively transferred with serum (IgG, and IgM most effective), cysticerci implanted into rats with hepatic infections were killed and encapsulated, repeated inoculation of immune serum had no effect on survival of implanted cysticerci

Immunity
Musumeci, S.; D'Agata, A.; and Fischer, A., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (3), 261 [Letter]
human leishmaniasis, presence of immunoglobulin or complement on red cell surface, possible immune mechanism responsible for shortened red cell survival during active disease

Immunity
Musumeci, S.; Fischer, A.; and Pizzarelli, G., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 176-177
Leishmania donovani, persistence of dysproteinaemia in persons treated and clinically cured of infections, possible explanations discussed

Immunity
Nappi, A. J., 1975, Invert. Immun. (Maramorosch and Shope), 293-326
parasite encapsulation in insects, review

Immunity
Neal, R. A.; and Miles, R. A., 1977, Ann. Trop. Med. and Parasitol., v. 71 (1), 21-27
Leishmania enriettii in guinea pigs (exper.), relationships between sodium stibogluconate therapy and developing immunity in host

Immunity
Neilson, J. T. M., 1976, Tropenmed. u. Parasitol., v. 27 (2), 233-237
a comparison of the acquired resistance to Dipetalonema viteae stimulated in hamsters by trickle versus tertiary infections

Immunity
Nelson, D. S.; et al., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (3), 254-255
Litomosoides carinii-infected rats, pleural exudate cellular morphology

Immunity
Nepote, K. H.; Pawlowski, Z. S.; and Soulsby, E. J. L., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 241-247
Taenia saginata, human, immunoglobulin levels, only IgE consistently showed a significant difference between infected and uninfected individuals and in infected individuals with respect to treatment

Immunity
Neva, F. A., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 211-215
Plasmodium falciparum, immunity to induced malaria, workshop report

Immunity
Newburger, P. E.; Hamaoka, T.; and Katz, D. H., 1974, J. Immunol., v. 113 (3), 824-829
effect of bacterial lipopolysaccharide on hapten-specific IgG and IgE response to DNP-Ascaris suum primed spleen cells, analysis in adoptive transfer system in mice shows that adjuvant effect is due to action on carrier-specific T cell function

Immunity
Ngu, J. L.; and Blackett, K., 1976, Trop. and Geogr. Med., v. 28 (2), 111-120
Onchocerc[a] volvulus in humans, immunologic studies attempting to delineate role of humoral and cellular immune response in the heterogeneity of onchocercal lesions

Immunity
Nguyen, B. T.; and Stadtsbaeder, S., 1976, Infect. and Immun., v. 13 (3), 884-889
spontaneous interaction in vitro between lymphocytes and syngeneic peritoneal macrophages of normal as well as Toxoplasma gondii-immune mice

Immunity
Ngwenya, B. Z., 1977, Internat. J. Parasitol., v. 7 (1), 41-45
Trichinella spiralis, effect of lactation on worm expulsion in (1) lactating, (2) induced agalactic post-parturient, (3) previously sensitized, and (4) mice sensitized during lactation, results indicate lactation suppressed either expression or induction of immunity

Immunity
Niec, R.; et al., 1976, Gac. Vet., Buenos Aires (315), v. 38, 457-466
gastrointestinal nematodes, sheep, effect of thiabendazole drenches on buildup of host resistance; might be advisable to accept moderate degree of parasitism in sheep up to 9-10 months of age, avoid unnecessary anthelmintic treatment that could prevent normal buildup of resistance

Immunity
Nielsen, K., 1976, Pathophysiol. Parasit. Infect., 23-40
plasma protein metabolism in pathophysiology of parasitic infection, review

Immunity
Nogueira, N.; and Cohn, Z., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 194-203
Trypanosoma cruzi, uptake and intracellular fate in normal and activated macrophages, workshop report

Immunity
Nogueira, N.; Gordon, S.; and Cohn, Z., 1977, J. Exper. Med., v. 146 (1), 172-183
normal unstimulated macrophages can be activated in vitro by lymphocyte product(s) derived from interaction of sensitized peritoneal or spleen cells with Trypanosoma cruzi antigen, activation is expressed as secretion of high levels of macrophage plasminogen activator and requires thymus-derived lymphocytes

Immunity
Nordstoga, K.; and Westbye, K., 1976, Acta Path. et Microbiol. Scand., Sect. A., Path., v. 84A (3), 291-296
pathologic findings in polyarteritis nodosa associated with Nosema cuniculi in blue foxes, possible relationship to immunological disturbance

Immunity
Nussenzweig, R. S.; et al., 1973, J. Immunol., v. 110 (2), 600-601
Plasmodium cynomolgi, P. falciparum, production of antibodies against sporozoites in rats, no cross-reaction between two species

Immunity
Oberlin, U. P.; and Weiss, N., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, part 1), 1178-1182
Schistosoma mansoni, hamsters (exper.), cell-mediated immune response to soluble egg antigens (SEA) determined by measuring size of granuloma formations in vivo and lymphocyte transformation reaction in vitro; humoral immune response estimated by measuring anti-SEA antibody titer in serum

Immunity
O'Dell, D. S.; et al., 1976, Biochem. Soc. Tr., v. 4 (1), 124-125
Naegleria gruberi, amoeboid vs. flagellate locomotory phenotypes, cell surface receptors, reactions with antibodies, lectins, and cationized ferritin

Immunity
Ogilvie, B. M., 1976, Ztschr. Immunitaetsforsch., v. 152 (2), 105-106 [Abstract]
immunological responses in nematode infections

Immunity
Ogilvie, B. M.; et al., 1977, Immunology, v. 32 (4), 521-528
Nippostrongylus brasiliensis, rats, cellular requirement for worm expulsion, results suggest that following antibody damage this nematode is expelled by nonimmunoglobulin-bearing lymphocytes which are effective in the absence of newly formed cells derived from the cell recipients

Immunity
Ogilvie, B. M.; and Love, R. J., 1974, Transplant. Rev., v. 19, 147-169
immune mechanisms in Nippostrongylus brasiliensis-rat model, co-operation between antibodies and cells in immune expulsion, review

Immunity
Ogilvie, B. M.; Mackenzie, C. D.; and Love, R. J., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 61-67
Nippostrongylus brasiliensis, rats, lymphocytes and eosinophils in immune response to initial and subsequent infections, workshop report

Immunity
Ohman, J. L., jr.; and Bloch, K. J., 1972, J. Immunol., v. 108 (6), 1637-1646
Nippostongylus brasiliensis, rats, effect of IgE on passive cutaneous anaphylactic reaction mediated by IgG_a antibodies

Immunity
O'Kelly, J. C.; and Spiers, W. G., 1976, J. Parasitol., v. 62 (2), 312-317
Boophilus microplus, infestation of British vs. zebu calves in early life (nat. and exper.), differences in resistance, changes in blood composition

Immunity
Okudaira, H.; and Ishizaka, K., 1973, J. Immunol., v. 111 (5), 1420-1428
spleen cells from mice immunized with dinitrophenylated derivative of Ascaris suum extract (DNP-Asc) cooperated with ovalbumin-specific helper cells to form anti-DNP IgE antibody after DNP-ovalbumin administration

Immunity
Okumura, K.; and Tada, T., 1971, J. Immunol., v. 107 (6), 1682-1689
Ascaris suum, rats, homocytotropic antibody response, inhibition by thymocytes and spleen lymphocytes from hyperimmunized donors

Immunity
Okumura, K.; and Tada, T., 1974, J. Immunol., v. 112 (2), 783-791
Ascaris suum, rats, chemical and physicochemical characterization of antigen-specific inhibitory T cell factor in hapten-specific homocytotropic antibody response

Immunity
Okumura, K.; Tada, T.; and Ochiai, T., 1974, Immunology, v. 26 (2), 257-268
Ascaris suum, rats, time and dose of antithymocyte serum administration are crucial factors in determining subsequent suppressed or enhanced reaginic antibody responses

Immunity
Omata, Y.; and Suzuki, N., 1975, Research Bull. Obihiro Univ., s. I, v. 9 (2), 265-272
Toxoplasma gondii, humoral antibody responses, appearance of IgM and IgG antibodies in adult female rats and their infants; transmission of infection from chronically infected rats to their fetuses and infants, no congenital toxoplasmosis detected

Immunity
Omata, Y.; and Suzuki, N., 1975, Research Bull. Obihiro Univ., s. I, v. 9 (3), 473-482
Toxoplasma gondii-infected rats, subpopulations of T- and B-lymphocytes in spleen, thymus, and peripheral blood, compared with healthy rats

Immunity
Omland, T.; Tønjum, A.; and Frentzel-Beyme, B. R., 1977, Tropenmed. u. Parasitol., v. 28 (3), 372-376
Toxoplasma gondii, prevalence survey for presence of antibodies to toxoplasmosis in native Liberians using the Sabin-Feldman dye test, differing habitats

Immunity
O'Neill, P. A.; and Parfitt, J. W., 1976, Vet. Rec., v. 98 (16), 321-323
Isospora suis, minimal disease pig herd, observations under non-experimental conditions, oocysts with sporoblasts recovered in infected pig feces 24 hours after collection, prepatent and patent periods, development of active acquired immunity following infection not affected by stress of farrowing

Immunity
Ooms, L., 1975, Vlaams Diergeneesk. Tijdschr., v. 44 (3), 95-118
strongyles, horses, epidemiology, cycles, pathogenesis, symptoms, control, diagnosis, immunity, review

Immunity
Opuni, E. K.; and Muller, R. L., 1975, J. Helminth., v. 49 (3), 199-204
Spirometra theileri, mice, attempted immunization with 3 procedures (antigen plus adjuvant, antigen alone, active infection), none conferred absolute immunity but gave some protection, serological and histological findings indicate involvement of both cellular and humoral elements

Immunity
Orr, T. S. C.; Riley, P. A.; and Doe, J. E., 1972, Immunology, v. 22 (2), 211-217
Nippostrongylus brasiliensis-infected rats, time course of potentiated reagin response to egg albumin

Immunity
Ortiz-Ortiz, L.; et al., 1975, Clin. Immunol. and Immunopathol., v. 4 (1), 127-134
patients with amebic abscess of liver, diminished cell-mediated immunity to Entamoeba histolytica antigens when tested by skin tests and for migration-inhibition factor production, skin reactions to unrelated antigen were normal, 10 days after hospital discharge cell-mediated immune responses to E. histolytica antigen were normal, antibodies were present in sera at all stages

Immunity
Ortiz-Ortiz, L.; et al., 1976, Internat. Arch. Allergy and Applied Immunol., v. 50 (2), 232-242
Trypanosoma cruzi-infected mice, development of nonspecific resistance to challenge with Listeria monocytogenes, association with increased mononuclear phagocytic activity

Immunity
Ortiz-Ortiz, L.; Gonzalez-Mendoza, A.; and Lamoyi, E., 1975, J. Immunol., v. 114 (4), 1424-1425
Trypanosoma cruzi, mice, nonspecific immunization with BCG elicited significant protection

Immunity
Osaki, H.; et al., 1973, J. Protozool., v. 20 (4), 520
in vitro protective responses of lymphoid cells from Trichomonas foetus-immunized mice

Immunity
Ottesen, E. A.; Smith, T. K.; and Kirkpatrick, C. H., 1975, Internat. Arch. Allergy and Applied Immunol., v. 49 (3), 396-410
Trichinella spiralis, mice, chronic infection, cellular immune responsiveness, sequential development of antigen-reactive cells in various lymphoid cell populations, antibody responses (haemagglutination titers, homocytotropic antibody)

Immunity
Otto, G. F., 1970, Immun. Parasitic Animals (Jackson, Herman and Singer), v. 2, 963-980
insect-borne nematodes, immunology, review

Immunity
Otto, G. F.; et al., 1976, J. Am. Vet. Med. Ass., v. 168 (7), 605-607
Dirofilaria immitis, dogs (exper.), number of circulating microfilariae is not an index of the number of adult heartworms or the severity of disease, reduced numbers of microfilariae per adult occur with increased numbers of adults, possible mechanisms

Immunity
Ottolenghi, A.; et al., 1977, Infect. and Immun., v. 15 (1), 13-18
Angiostrongylus cantonensis, nonsensitized and sensitized rats after challenge, phospholipase B activity in lungs and brains, eosinophilia in bone marrow, results support hypothesis that inflammation, elevated phospholipase B activity, and reduction in worm burden are causally related

Immunity
Overstreet, R. M., 1977, J. Parasitol., v. 63 (5), 780-789
Poecilancistrium caryophyllum in Cynoscion nebulosus, seasonal incidence and intensity, relation of infections to salinity and temperature of water, host length and host sex, common infection sites, effect of plerocercoids on host, possible immune response: Gulf of Mexico

Immunity
Packer, D. E., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 15 [Demonstration]
Syngamus trachea, chicks (exper.), relationships between size of challenge infection, worm burden and egg production

Immunity
Parashar, A.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (6), 474-480
Plasmodium berghei, mice, passive transfer experiments confirm that protection against infection involves both humoral and cellular immune reactions and response to 'processed antigen' produced by sensitized cells, possibly macrophages

Immunity
Parodi, A. S.; et al., 1971, Medicina, Buenos Aires, v. 31 (5), 369-371
Trypanosoma cruzi, human volunteers injected with experimental immunizing antigen (disrupted epimastigotes), humoral antibody response and local reactions

Immunity
Parrott, D. M. V.; and Ferguson, A., 1974, Immunology, v. 26 (3), 571-588
mesenteric lymph node cells from donors infected with Nippostrongylus brasiliensis used in investigating selective migration of lymphocytes within mouse small intestine

Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Parelaphostrongylus andersoni, repeated low-level infection of Odocoileus virginianus, clinical, parasitologic, and pathologic findings, apparent production of active immunity, results suggest that wild deer become infected by isolated chance encounters with infected gastropods

Immunity
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Immunity
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parasitized children with protein-calorie malnutrition, complete blood count, serum immunoglobulin concentration, significant relationship between intensity of parasitism and Ig levels: Brazil

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Immunity
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Immunity
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various human helminthic or protozoal infections, serum IgE concentration, IgE level often raised in parasitosis with prominent tissue phases and remains normal with helminths restricted to lumen of digestive tract, IgE level tends to increase significantly and rapidly following specific treatment and then to decrease slowly and return to normal in a few months

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Fasciola hepatica, recovery of juveniles from various sites in immune and control rats, gut as barrier to metacercariae of challenge infection

Immunity
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Schistosoma mansoni, carrier effect used to assay 11 antigenic preparations for helper T-cell priming against surface components of schistosomula, mice

Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Echinococcus multilocularis in Sigmodon hispidus, protoscolicidal activity of peritoneal cells and sera from hosts bearing large hydatid cysts, results suggest that phenomenon whereby established cysts suppress challenging inocula has an immunollogical component in which both humoral and cellular responses may participate

Immunity
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Echinococcus granulosus, bilateral pulmonary cysts in 17-year old girl, surgical excision, clinical aspects; general review of epidemiologic and immunologic aspects: Mexico

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Ostertagia circumcincta, breeding ewes, degree by which immune status varied on a seasonal basis (remained substantially immune to challenge), situation not altered by thiabendazole treatment

Immunity
Reid, W. M.; et al., 1977, Poultry Science, v. 56 (1), 66-71
coccidiosis, chicks, monensin, development of immunity dependent upon drug level, treatment time, and oocyst exposure

Immunity
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Toxoplasma gondii, mice, mechanism(s) of initiation and regulation of macrophage proliferation and activation, relationship to lymphocyte stimulation

Immunity
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Toxoplasma gondii, mice infected with Beverley strain and reinfected with RH strain, 14-18 months after challenge Toxoplasma with full virulence of RH strain could be isolated from some mice, in brains of others only immunizing (Beverley) strain could be found, implications for human infections

Immunity
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Plasmodium berghei, failure to protect mice with footpad injections of killed parasites incorporated in complete Freund's adjuvant, possible explanations for failure to immunize

Immunity
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activated macrophages from mice which were chronically infected with Toxoplasma gondii or Besnoitia jellisoni or which had received Freund complete adjuvant had enhanced capacity to kill intracellular Toxoplasma

Immunity
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Leishmania enriettii, L. tropica, quantification of growth inhibition activity of normal sera from humans, dogs, rabbits, guinea pigs, rats, sheep, cats, mice, and chickens

Immunity
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Ascaris suum embryonated eggs, hatching in orally inoculated pigs, in ligated intestinal segments, and in isolated intestinal loops of pigs, immune status of pig had no effect on hatching

Immunity
Richards, A. J.; et al., 1977, Internat. J. Parasitol., v. 7 (2), 153-158
Nippostrongylus brasiliensis, in vitro incubation with prostaglandin E_1, effect on glycolysis, on worm morphology, and on survival in vivo, results support view that prostaglandins play vital role in mechanism of worm expulsion

Immunity
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Anaplasma marginale, cattle, resistance after chlortetracycline elimination of latent infections is similar to that after killed-antigen vaccination of animals with no record of infection

Immunity
Richharia, V. S.; Jeska, E. L.; and Greve, J. H., 1975, J. Parasitol., v. 61 (6), 1113-1115
Ascaris suum, swine (exper.), demonstration of true delayed hypersensitivity responses

Immunity
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Taenia pisiformis, dogs, demonstration of age resistance but not of acquired immunity

Immunity
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oral challenge with Taenia ovis eggs using 3 levels of pasture contamination, lambs, immunization with T. ovis culture antigen prevented establishment of new cysticerci better than previous natural exposure but failed to stimulate complete immunological response, presence of T. hydatigena in lambs did not prevent subsequent infection with T. ovis

Immunity
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microfilariae of various spp., immunofluorescent reactions involving sheath, cuticle, and cytoplasm, relevance to immuno-evasive mechanisms: (1) microfilariae failed to adsorb non-specific immunoglobulins in contrast to other helminth larvae and non-blood protozoa; (2) sheath of Wuchereria bancrofti and Loa loa adsorbed specific A and B blood group antigens; (3) low titer reaction between microfilarial cytoplasm (L. loa and W. bancrofti) and host serum

Immunity
Rieckmann, K. H.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (3), 258-259 [Letter]
Plasmodium falciparum, sporozoite induced immunity in human using infected irradiated mosquitoes

Immunity
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Toxoplasma gondii, prevalence of Toxoplasma antibodies in sheep, higher incidence in breeding ewes than in lambs sent to market, management and environmental factors: California; Nevada; Idaho; Oregon

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babesiosis, theileriosis, immunology, review

Immunity
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intracellular blood protista: intraerythrocytic behavior, transfer, and circulatory clearance; survival and development within macrophages; persistence of organism in immunologically hostile host; immune responses and protection; serodiagnosis; vaccination

Immunity
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Immunity
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Anaplasma marginale, cows inoculated with attenuated vaccine, humoral (complement fixing and agglutinating antibodies) and cell-mediated (macrophage migration inhibition test) immune responses, results demonstrate correlation between cell-mediated immunity and protection

Immunity
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mammalian immunity, general mechanisms and principles, review

Immunity
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Trichinella spiralis, differential ability of several inbred mouse strains of different histocompatibility locus specificities to produce reagin and IgG_1 antibodies in response to infection, relationship between production of anaphylactic antibodies and larval and adult recoveries, stage of life cycle which induces antibody formation

Immunity
Roberts, C. O.; Chaparas, S. D.; and McLaughlin, D., 1976, J. Protozool., v. 23 (2), 34A [Abstract]
Toxoplasma gondii, mammalian and avian cell cultures tested to determine ability to support growth and plaque induction, inhibition of plaque formation by lincocin, sulfisoxazole, cleocin, and aureomycin and by antitoxoplasma antibody

Immunity
Roberts, C. O.; Chaparas, S. D.; and McLaughlin, D., 1976, Tr. Am. Micr. Soc., v. 95 (3), 470-482
Toxoplasma gondii, plaque assay technique used to (1) select best tissue culture system for studying progress of infection, (2) assess effect of drugs and antibiotics, (3) observe effect of immune sera on tissue culture infection, and (4) investigate cellular hypersensitivity by in vivo and in vitro systems

Immunity
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Plasmodium berghei yoelii produced fatal infection in nude mice or in mice made B cell deficient by treatment with anti-μ-chain serum, malaria recrudesced in Nu/Nu mice after drug termination of acute disease, recrudescence prevented by thymic grafting or treatment with hyperimmune serum, data suggest that crucial role of thymus is to provide helper function in production of protective antibody

Immunity
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Nippostrongylus brasiliensis, characterization of pheromone which attracts females (lipid fraction of excretory and secretory products of both males and females), that from immune-damaged females was not attractive

Immunity
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Giardia muris, mice, prior infection results in resistance to subsequent challenge

Immunity
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Brugia pahangi-infected and uninfected Meriones unguiculatus, development of markers for determining frequency of Fc- and complement-receptor lymphocyte subpopulations, usefulness for immunological evaluation of jird

Immunity
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Trichobilharzia ocellata cercariae, antigens shared with Lymnaea stagnalis

Immunity
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Wuchereria bancrofti, Loa loa, variations in human antistreptolysin O titers before and after treatment for filariasis, possible antigenic immune reaction between filariae and Streptococcus

Immunity
Rogers, R.; et al., 1975, Ann. Trop. Med. and Parasitol., v. 69 (1), 77-84
Brugia pahangi, cats, histological changes in lymph nodes characteristic of cell-mediated and antibody-type immunological responses

Immunity
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Eimeria tenella, E. maxima, chickens, phagocytosis of sporozoites and sporocysts in vitro by peritoneal exudate cells from immunized animals, role of antibody, species-specificity

Immunity
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poultry coccidiosis, immunity and prospects for immunoprophylaxis, review

Immunity
Rose, M. E., 1977, Exper. Parasitol., v. 42 (1), 129-141
Eimeria tenella, chickens injected in wattle with different antigens, skin hypersensitivity measured at intervals throughout immunization by infection and also after injection of antigens in Freund's complete adjuvant, attempted transfer of skin hypersensitivity with serum or cells, correlation of skin hypersensitivity with in vitro tests

Immunity
Rose, M. E.; and Hesketh, P., 1976, Parasitology, v. 73 (1), 25-37
Eimeria maxima, determination of life-cycle stages which induce protective immunity (second generation schizont probably most concerned), stages affected by immune response (sexual stages most susceptible), chickens

Immunity
Rose, M. L.; Parrott, D. M. V.; and Bruce, R. G., Immunology, v. 31 (5), 723-730
Trichinella spiralis, syngeneic mice, migration of mesenteric lymphoblasts and mesenteric T lymphoblasts at various times after infection, enhanced accumulation in small intestine at days 2 and 4

Immunity
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antigenic and enzymatic changes in infected (including by Toxoplasma gondii) and transformed human diploid cells

Immunity
Ross, J. M.; and Van Regenmortel, M. H. V., 1977, Ann. Immunol., v. 128C (4-5), 817-832
Trypanosoma equiperdum, rabbits, serum IgM and IgG levels, fractions found to contain both anti-trypanosome antibodies and autoantibodies to host tissue antigens, failure to confirm earlier reports of presence of rheumatoid factor

Immunity
Rothwell, T. L. W.; et al., 1976, Vet. Parasitol., v. 1 (3), 221-230
14 common gastrointestinal nematodes, incidence and specificity of anti-acetylcholinesterase antibodies in infected hosts, results show that anti-AChE antibody production occurs in infections with some but not all genera of Strongylida, that not all infected hosts produce detectable antibody, and that the enzyme appears to be genus but not species specific

Immunity
Rothwell, T. L. W.; and Griffiths, D. A., 1977, J. Parasitol., v. 63 (4), 761-762
Trichostrongylus colubriformis, kinetics of expulsion from previously uninfected, reinfected, and vaccinated guinea pigs compared

Immunity
Rothwell, T. L. W.; Love R. J.; and Goodrich, B. S., 1977, Internat. Arch. Allergy and Applied Immunol., v. 53 (1), 93-95
Trichostrongylus colubriformis, guinea pigs, prostaglandins not inducing immune expulsion of worms from intestine; prostaglandin synthetase inhibitors not inhibiting expulsion by immune guinea pigs

Immunity
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Schistosoma mansoni, rats, serum IgE levels before and after infection

Immunity
Roux, J.; et al., 1975, Medecine Trop., v. 35 (5), 377-387
Schistosoma haematobium, human mass treatment using niridazole over 3-day period, reduced egg output, enhanced development of immunity

Immunity
Ruitenberg, E. J., 1973, Norwegian J. Zool., v. 21 (4), 326 [Abstract]
Trichinella spiralis in rats (exper.), immune response directed towards intestinal phase; Corynebacterium parvum sensitization prolonged expulsion

Immunity
Ruitenberg, E. J.; et al., 1976, Nederl. Tijdschr. Geneesk., v. 120 (15), 645-649
Toxocara canis, survey of 253 children for complement-fixing antibodies against Toxocara shows low incidence; eosinophilia attributed to presence of Enterobius vermicularis: Netherlands

Immunity
Ruitenberg, E. J.: et al., 1977, Immunology, v. 33 (4), 581-587
Trichinella spiralis, comparison of infection in congenitally athymic (nude) mice and their heterozygous thymus-bearing littermates: expulsion of adult worms; yield of muscle larvae; production of specific antibodies; number of pyroninophilic cells, intra-epithelial lymphocytes, and eosinophils in small intestine; blood eosinophilia; data support thymus dependence of worm expulsion, plasma cell and antibody production, and tissue and blood eosinophilia

Immunity
Ruitenberg, E. J.; Teppema, J. S.; and Steerenberg, P. A., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 319-326
Trichinella spiralis intestinal phase, no evidence found for immunity-induced changes in enzyme histochemical staining pattern of adult worms, detection of antigen or of antigen-antibody complexes using bridge immuno-peroxidase anti-peroxidase technique, immunoglobulins found around cuticle of adult worms even in ATS-treated animals

Immunity
Rushton, B., 1977, Research Vet. Sc., v. 22 (1), 133-134
Fasciola hepatica, sheep, primary infection compared with reinfection, rafoxanide treatment, pathology, faster migration through liver in reinfection, temporary growth retardation, no reduction in numbers, large granulomata formed by anthelmintic-killed flukes

Immunity
Ruskin, J.; and Remington, J. S., 1971, J. Reticuloendothel. Soc., v. 9 (5), 465-479
mice immunized with Toxoplasma vaccine and adjuvant are protected against challenge with Listeria

Immunity
Rutter, N., 1977, Brit. Med. J. (6098), v. 2, 1335-1336
malaria infections in children born and living in non-malarious areas who have contracted infections upon visiting malarious areas with their immigrant parents who possibly have some natural immunity to malaria although their children do not, importance of diagnostic awareness: Nottingham, England

Immunity
Rytel, M. W.; Rose, H. D.; and Stewart, R. D., 1973, Proc. Soc. Exper. Biol. and Med., v. 144 (1), 122-123
Trypanosoma cruzi, Plasmodium falciparum, P. vivax, humans, lack of circulating humoral interferon in serum of persons with acute illness

Immunity
Sadigursky, M.; and Andrade, Z. A., 1976, Brit. Med. J. (6043), v. 2, 1073
controlled studies needed to clarify the relationship between schistosomiasis and renal amyloidosis

Immunity
Sadun, E. H.; Williams, J. S.; and Gore, R. W., 1973, Isotopes and Radiation Parasitol. III, 73-90
Schistosoma mansoni, S. haematobium, Trichinella spiralis, development of radioactive antigen microprecipitin assay (RAMP), comparison with soluble antigen fluorescent antibody and passive cutaneous anaphylaxis tests, results indicate RAMP measures antibody primarily of I_gE class

Immunity
Sanderson, B. E.; Jenkins, D. C.; and Phillipson, R. F., 1976, Internat. J. Parasitol., v. 6 (2), 99-102
Nippostrongylus brasiliensis, relation between changes in host immunity and worm acetylcholinesterase levels, results indicate that immunity-associated cholinesterase increase is to some extent reversible

Immunity
Sanderson, C. J.; Lopez, A. F.; and Moreno, M. M. B., 1977, Nature, London (5618), v. 268, 340-341 [Letter]
Trypanosoma cruzi, isotopic technique for assaying killing of epimastigotes in which criterion of parasite death is release of macromolecular RNA, use of assay to investigate nature of effector cell killing T. cruzi in antibody-dependent complement-independent system, eosinophils show strong activity, whereas lymphoid K cells seem to have insignificant activity

Immunity
Santoro, F.; et al., 1977, Ann. Trop. Med. and Parasitol., v. 71 (1), 121-123
presence in milk from Schistosoma mansoni-infected mothers of specific S. mansoni antigen (antigen M) not detected in serum, possible importance to immunological relationship between mother and suckling child

Immunity
Saowakontha, S., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (1), 79-81
Trichinella spiralis, no differences between number of worms in immunized rats (exper.) fed low or high protein diets, significantly lower number of worms in immunized rats compared with rats not immunized

Immunity
Sauerlaender, R., 1976, Ztschr. Parasitenk., v. 49 (3), 263-280
Angiostrongylus vasorum, A. cantonensis, histopathology of experimentally infected Achatina fulica, localization within host various times after infection, cellular defense mechanisms

Immunity
Savanat, T.; et al., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 149-154
determinations of total serum IgE levels in humans with amoebic liver abscess or other parasitic infections

Immunity
Schiliro, G.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 439-440
human visceral leishmaniasis, no impaired function of neutrophils in infection as shown by results of bactericidal activity and the nitroblue-tetrazolium tests

Immunity
Schleger, A. V.; et al., 1976, Austral. J. Biol. Sc., v. 29 (5-6), 499-512
Boophilus microplus larvae on cattle, cellular responses, degree of mast cell disruption, eosinophil concentration and degranulation and extent of epidermal vesiculation all greater in highly resistant hosts, possible immune mechanisms and effects on attachment and feeding

Immunity
Schnur, L. F.; and Zuckerman, A., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 434-435 [Demonstration]
Leishmania spp. from Sudan, Ethiopia and Kenya, differentiation of leishmanial serotypes

Immunity
Schnur, L. F.; and Zuckerman, A., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 15 [Demonstration]
Israeli leishmanial strains, excreted factor serotypes

Immunity
Schnur, L. F.; and Zuckerman, A., 1977, Ann. Trop. Med. and Parasitol., v. 71 (3), 273-294
Sudanese, Kenyan, and Ethiopian leishmanial isolates from human visceral and cutaneous infections, various wild animals and sandflies, leishmanial excreted factor (EF) serotypes determined by gel diffusion, discussion of distribution and relationships

Immunity
Schnur, L. F.; Zuckerman, A.; and Greenblatt, C. L., 1973, J. Protozool., v. 20 (4), 534
Leishmania, relationship between clinical types and serotypes not as simple and direct as previously thought

Immunity
Scofield, A. M., 1977, Internat. J. Parasitol., v. 7 (2), 159-165
Nippostrongylus brasiliensis-infected rats, intestinal absorption of hexoses, possible relation to immune reaction

Immunity
Seed, J. R., 1977, Internat. J. Parasitol., v. 7 (1), 55-60
Trypanosoma brucei gambiense, relative efficiency of IgM and IgG-type antibodies in presence and absence of complement compared on weight basis by both agglutination and in vitro protection tests, ability to passively transfer immunity in vivo also compared, hypothesized that IgM is responsible for relapse phenomena observed in blood while IgG is more active in extravascular locations

Immunity
Seed, J. R.; et al., 1976, Am. Midland Naturalist, v. 96 (2), 379-390
Trypanosoma brucei gambiense in Microtus montanus (exper.), role of spleen in host immunity; effect of infection (enlarged spleen, increase in adrenal weights, decrease in size of gonads), possible means of distinguishing parasite stress from other forms of natural population stress; possible relationship to reproductive potential and population density

Immunity
Seesee, F. M.; Wescott, R. B.; and Gorham, J. R., 1976, Exper. Parasitol., v. 39 (2), 214-221
Nippostrongylus brasiliensis, mice, indirect fluorescent antibody studies on localization of antigenic sites within worm and on classes of antibody involved in humoral response

Immunity
Seigel, R.; and Wolson, A. H., 1977, Am. J. Roentgenol., v. 128 (1), 150-152
Pneumocystis carinii pneumonia, radiographic diagnosis of chronic infection, case report of unusual chronicity and cavitation demonstrating need to consider P. carinii in persons with immunologic and pulmonary parenchymal disease

Immunity
Seitz, H. M., 1975, Tropenmed. und Parasitol., v. 26 (4), 417-425
Plasmodium berghei, strain K 173 in isogenic mouse strains (exper.), infection course, immunization by intermittent suppression of parasite multiplication by maintaining mice on milk diets of varying lengths, F1-hybrids most resistant and immunization attempts most successful with this strain

Immunity
Seitz, H. M., 1976, Tropenmed. u. Parasitol., v. 27 (1), 33-43
description of antigens and antibodies demonstrated during course of Plasmodium berghei infections in mice, comparison of animals with lethal infections and those maintained on milk-diet suppressed infections

Immunity
Sen, D. K.; and Lin, V. K., 1977, Virginia J. Sc., v. 28 (1), 9-12
Trypanosoma duttoni, resistance of mice increased by holothurin administered before and during infection with trypanosomes, higher level of parasitemia observed in mice treated after infection with trypanosomes, possible mechanisms

Immunity
Sheahan, B. J., 1975, J. Comp. Path., v. 85 (1), 87-95
Sarcoptes scabiei, pigs, natural vs. experimental infections, histological and histochemical alterations in ear lesions, raised serum protein levels not accompanied by increases in passive haemagglutination titres

Immunity
Sher, A., 1976, Nature, London (5575), v. 263, 334-336
Schistosoma mansoni schistosomula, complement-dependent adherence of mast cells to surface

Immunity
Sher, A., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 20-28
Schistosoma mansoni, mice, effector mechanism of acquired resistance is manifestation of antibody-dependent cell-mediated immunity, workshop report

Immunity
Sher, A.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 909-916
Schistosoma mansoni, presence of eosinophil-dependent cytotoxic antibodies (EDCA) in human serum, attempted correlation of levels of EDCA activity with intensity and duration of schistosome infections and with lymphocyte blastogenic response to soluble schistosome antigens

Immunity
Sher, A.; et al., 1977, Exper. Parasitol., v. 41 (1), 160-166
Schistosoma mansoni, mice, immunoglobulins involved in passive immunization, different subclasses of IgG responsible for protective immunity vs. delayed migration of schistosomula

Immunity
Sher, A.; and Ahmad, S., 1977, Indian J. Exper. Biol., v. 15 (12), 1083-1088
Entamoeba histolytica, rabbits, humans, detection and characterization of specific humoral antibodies from immune sera

Immunity
Sher, A.; and McIntyre, S. L., 1977, J. Immunol., v. 119 (2), 722-725
Schistosoma mansoni, adherence of rat peritoneal mast cells to schistosomula, mast cell adherence sites are receptors for third component of complement

Immunity
Sher, A.; McIntyre, S.; and von Lichtenberg, F., 1977, Exper. Parasitol., v. 41 (2), 415-422
Schistosoma mansoni, mice, kinetics and class specificity of hypergammaglobulinemia induced during infection, most of elevated immunoglobulins have no demonstrable specificity for parasite antigens

Immunity
Shettigara, P. T.; Choi, N. W.; and Abu-Zeid, H. A. H., 1976, Am. J. Epidemiol., v. 104 (3), 340 [Abstract]
prevalence survey of prenatal sera for presence of Toxoplasma antibodies and correlation of findings with ethnic origins, socioeconomic status and climatic differences: Manitoba Province

Immunity
Shirahata, T.; and Shimizu, K., 1975, Research Bull. Obihiro Univ., s. I, v. 9 (2), 257-264 (27-34)
Toxoplasma gondii, mice (exper.), humoral antibody responses, indirect fluorescent antibody test, complement fixation test, Sabin-Feldman dye test; effect of serum antibody on viability in vitro

Immunity
Shirahata, T.; Shimizu, K.; and Suzuki, N., 1976, Ztschr. Parasitenk., v. 49 (1), 11-23
Toxoplasma, effects of immune lymphocyte products and serum antibody on parasite multiplication in murine peritoneal macrophages

Immunity
Shirai, W.; et al., 1976, Japan. J. Vet. Sc., v. 38 (2), 135-141
Fasciola hepatica, cattle (liver), differentiation of brilliant cells (derived from smooth muscle cells) from tissue mast cells in areas of adenomatous epithelial proliferation of bile ducts

Immunity
Shivacheva, T.; and Terziiski, A., 1973, Izvest. Tsentral. Khelmint. Lab., v. 16, 169-185
Ascaris suum, mice, dynamics of cellular reaction of lymphoid tissue in tunica propria mucosae of caecum

Immunity
Shivacheva, T.; and Terziiski, A., 1973, Izvest. Tsentral. Khelmint. Lab., v. 16, 187-195
Ascaris suum, mice, plasma cell response of mesenteric lymph nodes

Immunity
Shmuel, Z.; Golenser, J.; and Spira, D. T., 1975, J. Protozool., v. 22 (3), 73A [Abstract]
rats infected with Trypanosoma lewisi at different stages in course of Plasmodium berghei infection, influence on parasitemia of each

Immunity
Sinclair, K. B., 1975, Research Vet. Sc., v. 19 (3), 296-303
Fasciola hepatica, sheep exposed to preliminary and challenge infections, pathophysiology (circulating eosinophils, plasma proteins, and glutamate dehydrogenase, voluntary dry matter intake, plasma loss in feces), no evidence of acquired resistance to physiological effects of infection

Immunity
Singh, J.; and Hussain, O., 1977, Ann. Parasitol., v. 52 (4), 397-402
Eimeria tenella, chicks with different levels of infection, comparison of therapeutic activity of sulphadimethoxine vs. bifuran and of effect of medication on development of immunity

Immunity
Sinski, E.; and Holmes, P. H., 1977, Exper. Parasitol., v. 43 (2), 382-389
Nippostrongylus brasiliensis, rats, systemic and local antibody response, specific antiparasite binding capacity of IgA and IgG in intestinal mucosa and serum measured by radioimmunoassay, results compared with total levels of IgA and IgG and hemagglutinating and precipitating antibody titers, indirect evidence that local IgA may be part of effector mechanism

Immunity
Sless, F.; et al., 1975, J. Protozool., v. 22 (3), 56A-57A [Abstract]
Trypanosoma brucei, mice treated with cyclophosphamide 2 days after infection developed high non-relapsing parasitaemia, mice treated 3 days before infection developed significantly lower parasitaemia than controls apparently due to increase in delayed hypersensitivity

Immunity
Slutzky, G. M.; and Greenblatt, C. L., 1977, FEBS Letters, v. 80 (2), 401-404
Leishmania tropica, isolation of immunologically active factor from cultures, contains carbohydrate segment produced by parasite and protein segment incorporated from growth medium

Immunity
Slutzky, G. M.; and Greenblatt, C. L., 1977, J. Protozool., v. 24 (4), 67A [Abstract]
Leishmania tropica, isolation and characterization of immunologically active carbohydrate-protein complex from cultures

Immunity
Small, A. J.; and Kendall, S. B., 1977, Parasitology, v. 75 (2), x [Abstract]
Oesophagostomum quadrispinulatum, rate of development in pigs, resistance of pigs to re-infection

Immunity
Smalley, M. E.; and Sinden, R. E., 1977, Parasitology, v. 74 (1), 1-8
Plasmodium falciparum, gametocytes are both long-lived and show persistent infectivity to mosquitoes, they can stimulate antibody production but immune response appears to play no part in their elimination

Immunity
Smith, D. D.; and Frenkel, J. K., 1977, J. Parasitol., v. 63 (6), 1066-1071
Besnoitia darlingi, isolation from Didelphis marsupialis, production of acute lethal infections in mice and hamsters by inoculation of cysts, chronic infections with formation of tissue cysts obtained in mice by sulfadiazine prophylaxis, cysts fed to cats resulted in shedding of isosporoid oocysts, mouse-to-mouse transmission achieved by injecting triturated tissue containing cysts, serologic testing

Immunity
Smith, H. V.; and Herbert, I. V., 1976, Immunology, v. 30 (2), 213-219
Hyostrongylus rubidus, passive transfer of humoral immunity from infected sows to their offspring via colostrum, demonstration that agglutinating antibodies mainly of the IgG class were associated with protection

Immunity
Smith, H. V.; and Herbert, I. V., 1976, Vet. Parasitol., v. 1 (4), 327-335
Hyostrongylus rubidus, pigs, primary infection, antibody response, time course and kinetics as shown by passive haemagglutination test

Immunity
Smith, H. V.; Herbert, I. V.; and Davis, A. J., 1976, Vet. Parasitol., v. 1 (4), 337-344
Hyostrongylus rubidus, pigs, multiple infections and reinfections, antibody response, passive haemagglutination test

Immunity
Smith, J. H.; and von Lichtenberg, F., 1976, Am. J. Trop. Med. and Hyg., v. 25 (4), 595-601
study of degradation of calcific Schistosoma haematobium eggs in mouse tissue, typical granulomatous formation during decalcification, apparent immunologic inertness of egg possibly linked to local tissue calcium balance

Immunity
Smith, M. A.; and Clegg, J. A., 1976, Parasitology, v. 73 (1), 47-52
Schistosoma mansoni, Mesocricetus auratus of WO vs. LGN strains, wide difference in level of acquired immunity

Immunity
Smith, M. D., 1977, Parasitology, v. 75 (1), 119-123
Schistosoma mansoni, mice, ultrastructural development of schistosome egg granuloma, delayed hypersensitivity response predominates during early stages but as the infection proceeds circulating antibody appears and granulomatous response is mediated by immune-complex reaction possibly of Arthus type

Immunity
Smith, W. D., 1977, Research Vet. Sc., v. 22 (1), 128-129
Haemonchus contortus, sheep immunized with larval antigens, stimulation of serum and mucus IgG antibody response, no IgA antibody response, no protection against challange infection

Immunity
Smith, W. D., 1977, Research Vet. Sc., v. 22 (3), 334-338
sheep hyperinfected with Haemonchus contortus, anti-larval antibody levels in serum and abomasal mucus detected by radioimmunoassay, no immunological memory observed following challenge infection, presence of IgA antibodies in abomasal mucus thought to be locally produced while IgG antibodies largely derived from blood

Immunity
Smithers, S. R.; McLaren, D. J.; and Ramalho-Pinto, F. J., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 11-19
Schistosoma mansoni, surface plasma membrane of schistosomulum as target of immune response, workshop report

Immunity
Smithers, S. R.; and Terry, R. J., 1976, Advances Parasitol., v. 14, 399-422
immunology of schistosomiasis, updated review [see Smithers and Terry, 1969 a, Supplement 19]

Immunity
Smrkovski, L. L.; and Larson, C. L., 1977, Infect. and Immun., v. 16 (1), 249-257
Leishmania donovani, BALB/c mice, BCG immunization, prophylactic and therapeutic effect, influence of timing and of route of injection

Immunity
Sogandares-Bernal, F., 1976, J. Parasitol., v. 62 (2), 222-226
Schistosoma mansoni adults, 7S$_{\gamma 2b}$ antibody attached to and in the integument does not seem to fix complement, may act in enhancing and blocking roles which protect worms from host

Immunity
Sogandares-Bernal, F.; et al., 1975, J. Parasitol., v. 61 (5), 965-966
higher prevalence of Toxoplasma antibodies in dairy vs. range cattle, possible danger of human infection by drinking unpasteurized milk or milk from "Certified" herds: Bitterroot Valley, Montana

Immunity
Sogandares-Bernal, F.; and Brandt, S., 1976, Ztschr. Parasitenk., v. 50 (3), 331-334
Schistosoma mansoni, mice, egg-induced granulomata, detection of I_gM, $7S_{\gamma 1}$ and C3, possible roles in sequestration of antigens, Hoeppli phenomenon, ultimate death of embryo or miracidium

Immunity
Solomon, G. B.; and Grigonis, G. J., jr., 1976, Exper. Parasitol., v. 40 (2), 298-307
Capillaria hepatica, changes in egg shell structure following collection of eggs by physical methods or after passage through mouse gastrointestinal tract, relationship to origin and release of antigens contributing to immunological response during granuloma fromation; hypothesis concerning exper. egg granuloma formation, maintenance of homeostasis of eggs in situ, and possible modes of action which trigger development

Immunity
Somorin, A. O.; Heiner, D. C.; and Ajugwo, R. E., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 872-876
Onchocerca volvulus, Nigerian patients, total serum IgE measured by radioimmunoassay, comparison with IgE levels in uninfected and atopic groups in Nigeria and California

Immunity
Sorice, F.; Delia, S.; and Castagnari, L., 1976, Boll. Ist. Sieroterap. Milanese, v. 55 (2), 185-186 [Letter]
circulating IgE levels in patients with active hydatidosis were higher than in patients with previous hydatidosis

Immunity
Soulsby, E. J. L.; et al., 1976, Pathophysiol. Parasit. Infect., 149-159
Litomosoides carinii in Mastomys natalensis, homocytotropic antibody response, passive and active cutaneous anaphylaxis

Immunity
Spira, D. T.; Golenser, J.; and Gery, I., 1976, Clin. and Exper. Immunol., v. 24 (1), 139-145
Plasmodium berghei, reactivity of lymphoid macrophage populations of malarious rat spleen to non-specific mitogens

Immunity
Spitalny, G. L.; et al., 1977, Exper. Parasitol., v. 42 (1), 73-81
Plasmodium berghei, mice, effect of T cell deprivation on sporozoite immunization, eliminated or reduced capacity to develop protection, sporozoite-neutralizing activity, or circumsporozoite antibodies, capacity fully restored by giving thymocytes prior to immunization, data demonstrate T cell dependence of sporozoite-induced immunity

Immunity
Spitalny, G. L.; Rivera-Ortiz, C.-I.; and Nussenzweig, R. S., 1976, Exper. Parasitol., v. 40 (2), 179-188
Plasmodium berghei, mice, effect of splenectomy before and after immunization on development and manifestation of sporozoite-induced immunity, monitoring of protective immunity and production of antisporozoite antibodies (circumsporozoite precipitate and sporozoite neutralization activity), effect of passive transfer of hyperimmune sera

Immunity
Spry, C. J. F., 1972, Immunology, v. 22 (4), 663-675
Trichinella spiralis, rats, origin, recirculation kinetics, and distribution of large lymphocytes from thoracic duct, no definite conclusions on mechanism by which large lymphocytes in rats with trichinosis stimulate eosinopoiesis

Immunity
Srivastava, P. S.; and Sharma, N. N., 1976, Acta Vet. Beograd, v. 26 (6), 315-321
Theileria annulata-infected calves, splenectomy of T. annulata premune calves provoked only mild relapses, severe disease symptoms manifested in calves splenectomized during febrile reaction period

Immunity
Stabler, R. M.; and Braun, C. E., 1975, J. Wildlife Dis., v. 11 (4), 482-483
Trichomonas gallinae, occurrence of virulent and avirulent strains, differential susceptibility of Columba spp., effect of previous infections with virulent or avirulent strains

Immunity
Stadler, B.; et al., 1976, Ztschr. Immunitaetsforsch., v. 152 (2), 117-118 [Abstract]
Leishmania tropica, internal labelling with ^{3}H-thymidine in order to study attachment to vs. phagocytosis by macrophages in vitro under different conditions (with and without antibodies, activation of macrophages, etc.)

Immunity
Stadtsbaeder, S.; and Nguyen, B. T., 1977, Ann. Immunol., v. 128C (1-2), 149-150
Toxoplasma gondii, susceptibility of nude mice to infection was same as controls, vaccination of nude mice conferred incomplete immunity

Immunity
Stadtsbaeder, S.; Nguyen, B. T.; and Calvin-Preval, M. C., 1975, Ann. Immunol., v. 126C (4), 461-474
Toxoplasma gondii, mice, immunization with living parasites concomitant to cotrimoxazol treatment, phagocytosis/penetration and intracellular multiplication of Toxoplasma in normal or immune macrophages in the absence or presence of specific antibodies

Immunity
  Stahl, W.; et al., 1976, Exper. Parasitol., v. 39 (1), 135-142
    Toxoplasma gondii, disease patterns in methotrexate-treated mice, examination of several time- and dose-dependent drug regimes, immunosuppressive effect when administered early in infection, potential use as experimental model for clinical toxoplasmosis

Immunity
  Stanislawski, E.; Renwrantz, L.; and Becker, W., 1976, J. Invert. Path., v. 28 (3), 301-308
    Biomphalaria glabrata, soluble blood group reactive substances in hemolymph, possible role in relationship with Schistosoma mansoni

Immunity
  Stankiewicz, M., 1969, Acta Parasitol. Polon., v. 17 (1-19), 161-173
    Strongyloides papillosus, sheep, single and multiple infections with sheep and rabbit strains, changes in leukocyte composition of peripheral blood

Immunity
  Stankiewicz, M.; and Jeska, E. L., 1973, Immunology, v. 26 (1), 827-834
    Trichinella spiralis, cell adherence reactions to infective larvae, importance of heat labile and heat stable substances in peritoneal exudate fluid

Immunity
  Stankov, M.; Movsesijan, M.; and Kovandzic, D., 1975, Acta Parasitol. Iugoslavica, v. 6 (1), 31-36
    Ascaris suum, pigs, antibodies form specific antigen-antibody complex; same antibodies are specifically bound to same organs and tissues of A. lumbricoides, sera of humans infected with A. lumbricoides form fluorescent complex with same organs of A. lumbricoides and A. suum

Immunity
  Stauber, L. A., 1970, Immun. Parasitic Animals (Jackson, Herman and Singer), v. 2, 739-765
    leishmaniasis, immunology, review

Immunity
  Steck, E. A., 1974, Progr. Drug Research, v. 18, 289-351
    Leishmania spp., extensive review (history, etiology, pathology, epidemiology, immunology, cultivation, biochemistry, chemotherapy)

Immunity
  Stepanian, S. G.; et al., 1976, Biol. Zhurnal Armenii, v. 29 (10), 82-86
    Ascaridia galli, chickens, role of colamine phosphate in heightening natural host resistance (strengthened hemopoiesis, increased vitamin C in blood plasma and tissue, increased organic action of acid soluble fraction of phosphate in blood)

Immunity
  Stewart, S. J.; et al., 1976, Exper. Parasitol., v. 40 (3), 373-379
    Polyplax serrata, mice, effects of limb disability and consequent inability to groom on lousiness: failure to induce immune tolerance after neonatal exposure

Immunity
  Storey, D. M.; and Court, J. P., 1977, Parasitology, v. 75 (2), ix [Abstract]
    Litomosoides carinii, host or host-like antigens demonstrated in adult worms and their presence inferred in blood microfilariae

Immunity
  Stotish, R. L.; et al., 1976, J. Biol. Chem., v. 251 (2), 302-307
    Eimeria tenella, glycoprotein unique to cytoplasm of unsporulated oocyst, purification and partial characterization, disappearance from cytoplasm during sporulation, possible incorporation into sporozoite membranes, studies on possible role in immunity inconclusive

Immunity
  Stoye, M.; and Krause, J., 1976, Zentralbl. Vet.-Med., Reihe B, v. 23 (10), 822-839
    Ancylostoma caninum, impatently infected lactating ovariectomized dog, reactivation of inhibited larvae, oestradiol and progesterone induced larval excretion in milk

Immunity
  Strejan, G. H.; et al., 1977, Internat. Arch. Allergy and Applied Immunol., v. 54 (6), 502-516
    Ascaris suum, rats, influence of type of adjuvant and of carrier priming on induction of IgE and IgG antibodies to dinitrophenyl conjugates

Immunity
  Strejan, G. H.; and Surlan, D., 1977, Internat. Arch. Allergy and Applied Immunol. v. 54 (6), 487-501
    Ascaris suum, rats, function of glutaraldehyde-polymerized antigen in induction of reaginic antibodies

Immunity
  Stromberg, B. E.; and Soulsby, E. J. L., 1976, Vet. Parasitol., v. 2 (2), 197-208
    Ascaris suum, guinea pigs, capacity of various worm developmental stages to induce protective immune response using various routes of inoculation, antibody titer as assessed by indirect hemagglutination was not correlated with degree of protection

Immunity
  Sturrock, R. F.; et al., 1977, Parasitology, v. 75 (1), 89-100
    Papio anubis, eosinophilia following oral infection with Trichinella spiralis, eosinophilia following intravenous administration of Trichinella spiralis and the effect on subsequent exposure to Schistosoma mansoni, latter appears to be suitable method of experimental induction of non-specific eosinophilia to further investigate possible immune mechanisms to Schistosoma mansoni in the baboon

Immunity
  Subrahmanyam, D.; et al., 1976, Nature, London (5551), v. 260, 529-530
    Litomosoides carinii, mechanism of leukocyte adhesion in vitro, mediated by serum factor, accompanied by cytotoxic effect on microfilariae, results implicate both humoral and cellular factors in destruction of microfilariae

Immunity
Suzuki, N.; et al., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 35-40
Toxoplasma gondii, mice and rats (exper.), blood changes; rats (exper.), antibody titers by dye test and indirect immunofluorescence, erythrocytes showed positive Coombs' reaction suggesting presence of auto-immune acquired hemolytic process

Immunity
Swietlikowski, M., 1969, Acta Parasitol. Polon., v. 17 (1-19), 95-101
Dictyocaulus viviparus, calves infected orally by larvae refrigerated 3 or 8 months; young larvae produce more severe disease; both ages cause similar immunological response; implications for overwintering, epizootiology, and self-cure

Immunity
Szarfman, A.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (1), 19-24
evaluation of specificity of EVI factor observed in Trypanosoma cruzi cases using indirect fluorescent antibody test on sera from patients with other parasitic diseases, immunofluorescence of anti-skeletal muscle antibody from leishmaniasis

Immunity
Szarfman, A.; et al., 1977, J. Parasitol., v. 63 (1), 149
Trypanosoma cruzi, patients with acute Chagas disease, EVI antibodies, specific agglutinins, and IFA antibodies

Immunity
Szeri, I.; and Csoka, R., 1976, Acta Microbiol. Acad. Scient. Hungar., v. 23 (3), 235-237
Toxoplasma gondii, acute infections in mice (exper.), spleen, thymus and lymphocyte changes

Immunity
Tabatabai, M.; et al., 1975, Ann. Parasitol., v. 50 (1), 7-15
Echinococcus granulosus, administration of ovine hydatid fluid to sheep, cardiovascular and respiratory responses caused 50% mortality, possible immunological basis

Immunity
Tada, T.; and Okumura, K., 1971, J. Immunol., v. 107 (4), 1137-1145
Ascaris suum, anti-hapten homocytotropic antibody (HTA) formation induced in rats with dinitrophenylated Ascaris extracts, suppressive activity of anti-hapten and anti-carrier antibodies on HTA formation, results indicate cooperation of carrier-specific and hapten-specific recognition cells for induction of anti-hapten HTA

Immunity
Tada, T.; Okumura, K.; and Taniguchi, M., 1972, J. Immunol., v. 108 (6), 1535-1541
Ascaris suum, rats, nature and activities of carrier-specific cells in induction and inhibition of homocytotropic antibody formation, regulator and helper cells may be identical

Immunity
Tada, T.; Okumura, K.; and Taniguchi, M., 1973, J. Immunol., v. 111 (3), 952-961
Ascaris suum, rats, antigen-specific T cell factor that regulates anti-hapten homocytotropic antibody response

Immunity
Takahashi, K.; et al., 1976, Brit. Vet. J., v. 132 (1), 112-117
Theileria sergenti, cattle (exper.), antibody levels, parasitaemia, packed cell volume, indirect fluorescent antibody test on whole serum, IgG, and IgM, possible role of humoral antibody detected by IFA test in inhibition of parasitaemia

Immunity
Takahashi, K.; Yamashita, S.; and Shimizu, Y., 1975, Japan. J. Vet. Sc., Tokyo, v. 37 (5), 295-301
Theileria sergenti, cattle, indirect fluorescent antibody test; relationship of varying antibody titer to course of infection and clinical signs; severe infection in splenectomized calves with no antibody developed; resistance to challenge infection in previously infected calves; recrudescence of infection in calves given corticosteroids; possible humoral factor in immune mechanism and cell-mediated immunity relationship to relapse

Immunity
Takayanagi, T.; and Nakatake, Y., 1976, Exper. Parasitol., v. 39 (2), 234-243
Trypanosoma gambiense, mice, immunologic responses to infection in thymectomized lethally-irradiated recipients of passively transferred thymic cells sensitized with parasitic antigens in vivo, enhanced agglutinin production and protection and phagocytosis

Immunity
Takayanagi, T.; and Nakatake, Y., 1977, Exper. Parasitol., v. 42 (1), 21-26
Trypanosoma gambiense, loss of binding activity by which rat antibody is bound to macrophages as result of removing Fc portion of IgG by enzymatic digestion, avidity of antibody for heterologous macrophages

Immunity
Takayanagi, T.; Nakatake, Y.; and Kato, H., 1977, Exper. Parasitol., v. 43 (1), 196-202
Trypanosoma gambiense, agglutination and binding of trypanomastigotes to macrophages in terms of different antigen-antibody ratios

Immunity
Talis, B.; Stein, B.; and Gold, D., 1977, J. Protozool., v. 24 (2), Suppl., 18A-19A [Abstract]
hartmanelloid amoeba, invasiveness and antigenicity as compared to Entamoeba histolytica strains

Immunity
Taniguchi, M.; and Tada, T., 1974, J. Immunol., v. 113 (6), 1757-1769
Ascaris suum, rat, IgT-like molecule for induction of homocytotropic antibody response

Immunity
Tapper, M. L.; and Armstrong, D., 1976, Arch. Int. Med., Chicago, v. 136 (7), 807-810
blood transfusion induced malarial infections in 2 patients with neoplastic disease, case reports, implications for alterations of immunologic status

Immunity
Targett, G. A. T., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 272 [Abstract]
Trypanosoma musculi, mice, immunological responses

Immunity
Targett, G. A. T.; Viens, P.; and Wilson, V. C. L. C., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 148 [Abstract]
Trypanosoma musculi, survival in immunized mouse host blood for at least 1 year in infective state

Immunity
Tchoulamjan, A.; et al., 1977, Prensa Med. Argent., v. 64 (5), 125-138
schistosomiasis, epidemiologic survey of skin-test positive persons in non-endemic area to assess possible infection spread resulting from hydroelectric dam construction projects in neighboring endemic areas: Misiones, Argentine Republic

Immunity
Teixeira, A. R. L., 1977, Advances Exper. Med. and Biol., v. 93, 243-280
Trypanosoma cruzi, immunoprophylaxis, review: life cycle in vector and host; clinical manifestations of Chagas' disease; mechanisms of resistance (natural and acquired immunity, humoral and cell-mediated); autoimmunity; antigenic structure; live vaccines; dead vaccines; perspectives for further studies

Immunity
Telford, S. R., jr.; and Forrester, D. J., 1975, J. Protozool., v. 22 (3), 324-328
Plasmodium (Huffia) hermani sp. n., pathology, strong immune response of infected birds: Palmdale, Glades County, and Lochloosa Wildlife Management Area, Alachua County, Florida

Immunity
Terry, R. J.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 263 [Abstract]
trypanosomiasis, hypothesis to explain paradox of heightened IgM production and immunosuppression

Immunity
Terziiski, A.; and Shivacheva, T., 1974, Izvest. Tsentral. Khelmint. Lab., v. 17, 145-152
Ascaris suum, mice (immunized or not immunized, challenged per os with antigen), cell reaction in mesenteric lymph nodes

Immunity
Tewari, H. C.; Dhar, D. N.; and Singh, K. S., 1973, Isotopes and Radiation Parasitol. III, 43-50
Dictyocaulus filaria, sheep, incidence, laboratory and field trials with gamma-irradiated vaccine, high degree of protection conferred, no correlation between antibody response and ability to withstand challenge: Kashmir, India

Immunity
Thompson, A.; et al., 1977, J. Clin. Path., v. 30 (3), 292-294 [Letter]
giardiasis, human, immunoglobulin-bearing plasma cells in jejunal mucosae, results indicate that early immune response in jejunal lamina propria may frequently be restricted to synthesis of IgM to be followed by IgA and IgG

Immunity
Thoongsuwan, S.; and Cox, H. W., 1973, Ann. Trop. Med. and Parasitol. v. 67 (4), 373-385
Babesia rodhaini, 3 antigenic variants selected by in vitro treatment with immune globulin, each of 3 strains caused nonspecific serum antigen associated with acute plasmodial and babesial infections to be elaborated without variation or diminution, implications for mechanism of relapse of latent infection

Immunity
Thorson, R. E., 1970, Immun. Parasitic Animals (Jackson, Herman and Singer), v. 2, 913-961
direct-infection nematodes, immunology, review

Immunity
Threadgold, L. T.; and Befus, A. D., 1977, Exper. Parasitol., v. 43 (1), 169-179
Hymenolepis diminuta, ultrastructural localization of immunoglobulins and complement component 3 on worm tegument

Immunity
Tizard, I. R.; Fish, N. A.; and Quinn, J. P., 1976, J. Hyg., Cambridge, v. 77 (1), 11-21
extensive survey of human serum for presence of antibodies to Toxoplasma gondii and observations on probable epidemiology: Canada

Immunity
Todorov, T.; et al., 1976, Bull. World Health Organ., v. 53 (4), 407-415
human echinococcosis, persistence of antibodies after surgical treatment, use in evaluation of surgical results and prognosis

Immunity
Todorovic, R. A.; Gonzalez, E. F.; and Adams, L. G., 1973, Trop. Animal Health and Prod., v. 5 (4), 234-245
Babesia bigemina, B. argentina, calves, sterile immunity using killed-Babesia vaccine, field-borne challenge with Boophilus microplus infected ticks; possible important role in mechanism of acquired immunity

Immunity
Tomanek, J.; and Franek, M., 1975, Acta Vet. Brno, v. 44 (4), 393-399
Dictyocaulus filaria, presence of complement-fixing antibodies in immunoglobulin fractions of sera from lambs, during primary and secondary response to infection with non-irradiated and X-irradiated larvae

Immunity
Topley, E.; Knight, R.; and Woodruff, A. W., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 51-54
malaria patients, direct antiglobulin test and immunoconglutinin titres, possible significance of results in understanding mechanism of anemia

Immunity
Torisu, M.; et al., 1975, Clin. Immunol. and Immunopathol., v. 4 (4), 467-477
Ascaris lumbricoides, patients with worm migration into biliary tree, skin tests, complement fixation, hemagglutination tests, immunoglobulin levels, pre- and post-surgical results, significant preoperative rise in IgE appears to be dependent on Ascaris infection, purified Ascaris antigen has high chemotactic effect on eosinophils

Immunity
Toshkov, A.; et al., 1977, Dokl. Bolgar. Akad. Nauk, v. 30 (6), 895-896
Trichinella spiralis-infected rats followed by infection with Erysipelothrix rhusiopathiae, effect of ACTH on defence mechanisms is counteracted by T. spiralis (inhibition of non-specific protective factors)

Immunity
Tosta, C. E.; and Filho, N., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 531 [Letter]
Plasmodium berghei, factor(s) in normal adult rat serum not related to malarial antibodies that causes decrease in infectivity of parasite

Immunity
Tr. Roy. Soc. Trop. Med. and Hyg., 1976, v. 70 (2), 114-129
African and South American trypanosomiasis, 16th seminar on current status (epidemiology, chemotherapy, immunological research and problems of immunization, infection in domestic animals, vector control)

Immunity
Tripp, M. R., 1970, J. Reticuloendothel. Soc., v. 7 (2), 173-182
defense mechanisms of mollusks, review

Immunity
Truong-Minh-Ky, D.; et al., 1976, Medecine Afrique Noire, v. 23 (4), 215-223
Plasmodium malariae, Plasmodium falciparum, survey of village infants for presence of malarial antibodies: Abidjan

Immunity
Tsang, V. C. W.; Hubbard, W. J.; and Damian, R. T., 1977, Am. J. Trop. Med. and Hyg., v. 26 (2), 243-247
Schistosoma mansoni, presence of schistosomal inhibitor for the intrinsic blood coagulation pathway of host which is capable of specifically blocking the enzymatic activation of pre-plasma thromboplastin antecedent by activated Hageman factor

Immunity
Turner, H. M.; and McKeever, S., 1976, Internat. J. Parasitol., v. 6 (6), 483-487
Taenia taeniaeformis, development of refractory responses in Mus musculus (White Swiss strain) from 10th to 100th day postpartum, gut and liver phases of infection compared histologically

Immunity
Turton, J. A., 1977, Parasitology, v. 75 (2), xxxvi [Abstract]
Necator americanus, human (exper.), 4 infections in one person over 2-year period, protective response not elicited (using egg count as criterion), anthelmintic activity of levamisole exceptionally varied (from 0 to 99%) but mebendazole always 100% effective, symptoms, blood picture, antibody production, lesions produced during dermal penetration

Immunity
Tympner, K. D., 1971, Monatschr. Kinderh., v. 119 (7), 287-291
infections of newborn children (including toxoplasmosis), importance of quantitative immunoglobulin determinations (IgM, IgA) in diagnosis and therapy

Immunity
Uilenberg, G.; and Giret, M., 1973, Rev. Elevage et Med. Vet. Pays Trop., v. 26 (2), 147-150
Trypanosoma congolense, sheep, antibody against late variant type does not show neutralizing activity against type obtained early in infection; difficulty obtaining monovalent sera from laboratory rodents; Berenil treatment does not influence results of neutralization test; persistence of antibodies in sheep; unsuccessful trials of agglutination and immunolysis tests

Immunity
Urban, J. F., jr.; Ishizaka, T.; and Ishizaka, K., 1977, J. Immunol., v. 118 (6), 1982-1986
Nippostrongylus brasiliensis, rats, normal and neonatally thymectomized, proliferation of IgE-bearing cells

Immunity
Urban, J. F., jr.; Ishizaka, T.; and Ishizaka, K., 1977, J. Immunol., v. 119 (2), 583-590
Nippostrongylus brasiliensis, rats, soluble factor for generation of IgE-bearing lymphocytes

Immunity
Vanderberg, J. P., 1974, J. Protozool., v. 21 (4), 527-537
Plasmodium spp. sporozoites, motility, locomotion, movement, effects of several factors (parasite species, oocyst vs. salivary gland sporozoites, presence of albumin or globulins, temperature), relationship to infectivity, immunogenicity (circumsporozoite precipitate reaction), and secretory activity

Immunity
Van Geldorp, P. J. A.; and Schillhorn van Veen, T. W., 1976, Vet. Parasitol., v. 1 (3), 265-269
periparturient rise in faecal helminth egg counts of Udah sheep, suggested that increase was due to helminths (mainly Haemonchus sp.) which had been inhibited during dry season and resumed development at beginning of rainy season, rapid decline in egg counts 5-6 weeks after lambing considered to be due to self cure associated with high rainfall: Zaria area of Nigeria

Immunity
Vargas, D. L., 1974, Prensa Med. Mexicana, v. 39 (3-4), 215-219
Onchocerca volvulus, humans, immunologic analysis of serum immunoglobulins, finding that parasite produces heterophilic antigen of A type blood groups

Immunity
Vasquez, R.; Cattan, A.; and Herbert, W. J., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 436 [Demonstration]
Trypanosoma brucei, production of antibodies cytophilic for macrophages in infected mice

Immunity
Vattuone, N. H.; et al., 1974, Tropenmed. u. Parasitol., v. 25 (3), 267-272
Trypanosoma cruzi, mice infected with epimastigotes or trypomastigotes of 3 different strains, cell mediated and humoral immune responses, characterization of antibodies according to criterion of 2-mercaptoethanol sensitivity

Immunity
Viens, P.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 136-139
human toxoplasmosis, seroepidemiologic survey of 4,136 pregnant women for latent infection and their offspring for congenital infection, statistics of survey: Montreal, Quebec, Canada

Immunity
Vollerthun, R.; et al., 1976, Zentralbl. Vet.-Med., Beihefte (25), 161-163
Capillaria hepatica, pathophysiology, immunology, Mastomys natalensis, rabbits; animal models for human infection studies

Immunity
Wagland, B. M., 1975, Austral. J. Agric. Research, v. 26 (6), 1073-1080
Boophilus microplus, responses of previously unexposed Bos taurus and Bos indicus to four infestations with 20,000 tick larvae, concluded that resistance to Boophilus microplus in Bos indicus is an acquired not an innate phenomenon

Immunity
Wagner, G. G.; and Duffus, W. P. H., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 97-107
anti-lymphocyte antibody response in cattle inoculated with Theileria parva- or T. lawrencei-infected lymphoblastoid cell lines, apparently unrelated to specific antibody response to parasite itself, does not appear to either interfere with or enhance development of subsequent immunity to challenge

Immunity
Wakelin, D., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 277 [Demonstration]
Trichuris muris in mice, possible genetic control of immune responses

Immunity
Wakelin, D.; and Lloyd, M., 1976, Parasitology, v. 72 (2), 173-182
Trichinella spiralis, young and older NIH strain mice, dynamics of establishment and expulsion of primary and challenge infections, parameters of immunity must be established for each host strain

Immunity
Wakelin, D.; and Lloyd, M., 1976, Parasitology, v. 72 (3), 307-315
Trichinella spiralis, mice given mesenteric lymph node cells or serum or both from infected donors, acceleration of worm expulsion

Immunity
Wakelin, D.; and Selby, G. R., 1976, Parasitology, v. 72 (1), 41-50
Trichuris muris, immune expulsion from resistant mice, suppression by irradiation, attempts to restore by transfer of mesenteric lymph node cells, bone marrow, or immune serum, results confirm involvement of both antibody-mediated and lymphoid cell-mediated phases in immune expulsion

Immunity
Wakelin, D.; and Wilson, M. M., 1977, Parasitology, v. 74 (3), 215-224
Trichinella spiralis, mice, transfer of immunity with mesenteric lymph node cells: time of appearance of effective cells in donors; expression of immunity in recipients (worm expulsion and impaired worm reproduction may represent independent aspects of immune response)

Immunity
Wakelin, D.; and Wilson, M. M., 1977, Parasitology, v. 74 (3), 225-234
Trichinella spiralis, mice, inhibition of worm expulsion by host irradiation, attempts at reconstitution of immune response gave evidence for involvement of bone marrow-derived cell population in immune expulsion

Immunity
Wakelin, D.; and Wilson, M. M., 1977, Parasitology, v. 75 (2), xiv [Abstract]
Trichinella spiralis, expulsion from mice appears to be dependent on cooperation of immune mesenteric lymph node cells and a bone marrow cell component

Immunity
Waksman, B. H.; and Cook, J. A., 1975, Am. J. Trop. Med. and Hyg., v. 24 (6, pt. 1), 1037-1039
schistosomiasis, conference report on newer immunologic approaches (antigens, antibodies, cell-mediated immunity, resistance, mechanisms of immunity)

Immunity
Waldeland, H., 1977, Acta Vet. Scand., v. 18 (2), 237-247
Toxoplasma gondii, sheep, antibody formation, dye test titres higher in ewes that had aborted; course of titre levels in young lambs; titre not influenced by listeric encephalitis; higher titres in sheep with hemoglobin type B

Immunity
Wallace, L. E.; White, R. G.; and Herbert, W. J., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 279 [Demonstration]
Trypanosoma brucei in Gallus domesticus (exper.), massive segregation of B-cells in germinal centres of spleen

Immunity
Walliker, D., 1976, Symposia Brit. Soc. Parasitol., v. 14, 25-44
Plasmodium, genetic techniques (hybridization and cloning; genetic markers--enzyme polymorphism, drug-resistance, etc.), genetic recombination experiments, genetic factors influencing host-parasite relationships (strain-specific immunity; virulence), symposium presentation

Immunity
Walls, R. S.; and Beeson, P. B., 1972, Clin. and Exper. Immunol., v. 12 (1), 111-119
Trichinella spiralis, rats, findings suggest that eosinophilia characteristic of macroparasitic infestations is related to character of local inflammatory reaction excited by parasites in organs which harbor them

Immunity
Warren, K. S.; Pelley, R. P.; and Mahmoud, A. A. F., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 957-962
Schistosoma mansoni, mice, effects of curative treatment on resistance to reinfection and on granulomatous hypersensitivity following reinfection, results suggest that both immunity and modulation of immunopathology are residual after curative treatment

Immunity
Watanabe, N.; et al., 1977, J. Immunol., v. 118 (2), 485-488
Nippostrongylus brasiliensis, suppression of IgE antibody production in SJL mice, expression of Ly-1 antigen on helper and nonspecific suppressor T cells

Immunity
Watanabe, N.; Kojima, S.; and Ovary, Z., 1977, J. Immunol., v. 118 (1), 251-255
Nippostrongylus brasiliensis, mice, tolerizing effect of DNP-Ficoll on IgE antibody production

Immunity
Weathersby, A. B., 1975, Invert. Immun. (Maramorosch and Shope), 273-288
haemocoel as barrier to parasite infection in insects, review

Immunity
Webbe, G.; and James, C., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 28-29 [Demonstration]; 151-152 [Letter]
Schistosoma haematobium in Papio anubis given trickle infection and then challenged, data provide unequivocal confirmation of development of acquired resistance

Immunity
Weber, G., 1976, Ztschr. Parasitenk., v. 50 (2), 185
Babesia ovis and B. bigemina in blood films, immunocytochemical detection of catabolic enzymes, possible implications

Immunity
Wedderburn, N.; Turk, J. L.; and Hutt, M. S. R., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (5-6), 468-470
chronic malarial infections, mice, histologic changes in spleen and liver, depression of IgG plaque-forming cell response, chronically infected mice as laboratory model for tropical splenomegaly

Immunity
Weinbaum, F. I.; Evans, C. B.; and Tigelaar, R. E., 1976, J. Immunol., v. 116 (5), 1280-1283
description of in vitro T cell-dependent proliferative response of immune BALB/c mouse spleen cells to Plasmodium berghei yoelii-infected syngeneic RBCs and to saline-soluble-extract prepared from schizonts

Immunity
Weinbaum, F. I.; Evans, C. B.; and Tigelaar, R. E., 1976, J. Immunol., v. 117 (5), pt. 2, 1999-2005
Plasmodium berghei yoelii, course of infection in T cell and B cell deficient mice, results establish requirement for presence of both T cells and B cells for effective resistance

Immunity
Weinberg, J. B.; and Hibbs, J. B., jr., 1977, Nature, London (5625), v. 269, 245-247
endocytosis of red blood cells or haemoglobin by activated macrophages from Toxoplasma gondii or BCG-infected mice inhibits tumoricidal effect

Immunity
Weiner, D. J.; and Soulsby, E. J. L., 1976, J. Parasitol., v. 62 (6), 886-893
Litomosoides carinii, host response to adult worms intrapleurally or intraperitoneally transplanted into infected vs. naive Mastomys natalensis, concluded that preparation period is necessary for successful residence of adult worms

Immunity
Weinmann, C. J., 1970, Immun. Parasitic Animals (Jackson, Herman and Singer), v. 2, 1021-1059
cestodes, immunology, review with brief summary on acanthocephalans

Immunity
Weintraub, J.; and Weinbaum, F. I., 1977, J. Immunol., v. 118 (6), 2288-2290
Leishmania tropica, BCG-treated mice, reduction in severity of cutaneous disease and significant decrease in mortality without evidence of visceralization when compared with non-treated controls

Immunity
Weisbroth, S. H.; Wang, R.; and Scher, S., 1973, Lab. Animal Sc., v. 23 (2), 241-247
Cuterebra buccata, natural infections of laboratory Oryctolagus cuniculus, gross and microscopic aspects of skin lesions, immediate and delayed hypersensitivity reactions to skin tests, detection of circulating precipitins by immunodiffusion tests

Immunity
Weise, R.; et al., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (3), 271-278
Plasmodium berghei yoelii, mice, ultrastructure of kidneys, glomerular changes at different stages of disease, findings add to evidence in favour of transient immune complex glomerulonephritis

Immunity
Weiss, M. L., 1976, Exper. Parasitol., v. 40 (1), 103-111
Plasmodium berghei, mouse strain noninfective but highly immunogenic for Meriones unguiculatus was adapted to M. unguiculatus through serial passage of infected blood, antigenic changes during adaptation, loss of infectivity for mice, different antigens apparently responsible for immunogenicity vs. infectivity, vaccination led to production of some protective antibody but also to blocking and enhancing antibody

Immunity
Welch, J. S.; and Dobson, C., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (6), 466-472
comparative fluorescent antibody test survey of Aborigines and Caucasians for presence of antibodies to Dirofilaria immitis and correlations with canine filariasis; cross-reactions to Toxocara canis observed only in presence of eosinophilia: Queensland, Australia

Immunity
Welch, S. G.; McGregor, I. A.; and Williams, K., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 295-296
survey of 2 rural Gambian villages showed total absence of Duffy blood group antigens and absence of Plasmodium vivax infection although P. falciparum, P. malariae and P. ovale were present; findings consistant with theory that absence of Duffy phenotypes constitutes basis of innate resistance to P. vivax

Immunity
Wellensiek, H. J.; et al., 1976, Ztschr. Immunitaetsforsch., v. 152 (2), 123 [Abstract]
Toxoplasma gondii, Sabin-Feldman dye test, immunocytolysis caused by properdin-dependent alternate pathway activation of human complement

Immunity
Weller, T. H., 1976, Am. J. Trop. Med. and Hyg., v. 25 (2), 208-216
Schistosoma mansoni, Craig Lecture before Am. Soc. Trop. Med. and Hyg.: cultivation in vitro; detection of antigenic materials elaborated in vivo; epidemiology and control

Immunity
Wells, P. D., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 15 [Demonstration]
Nippostrongylus brasiliensis in rats (exper.), mast cells in lungs after superchallenge infection, no evidence of sudden expulsion of larvae from lungs or adult worms from intestine

Immunity
Wells, P. D., 1977, Exper. Parasitol., v. 43 (2), 326-335
Nippostrongylus brasiliensis, repeatedly inoculated rats, lung mast cell populations and larval and adult worm populations

Immunity
Wells, R. A.; and Diggs, C. L., 1976, J. Parasitol., v. 62 (4), 638-639
protective activity of sera from mice immunized with irradiated Plasmodium berghei-infected erythrocytes

Immunity
Wenk, P., 1977, Naturw. Rundschau, Stuttgart, v. 30 (10), 353-359
helminths, role of immune reactions in host-parasite relationships, life cycles, modes of transmission, superinfection, comprehensive review of complex interrelationships

Immunity
Wenk, P.; and Wegerhof, P. H., 1976, Ztschr. Parasitenk., v. 50 (2), 180
Litomosoides carinii, cotton rats, effect of previous injection of microfilariae on challenge infection

Immunity
Werner, H., 1976, Ztschr. Parasitenk., v. 50 (2), 176-177
Toxoplasma, mice, rabbits, congenital infection despite immunity after reinfection during pregnancy

Immunity
Whitlock, J. H.; and Georgi, J. R., 1976, Parasitology, v. 72 (3), 207-224
biological controls in mixed trichostrongylid infections (predominantly Haemonchus contortus cayugensis) in sheep, different ecosystems (barn vs. pasture) and different treatment groups, course of infections (erythrocyte loss, fecal egg counts, hematocrit values), "Anaphylactoid 'self-cure' did not occur in this experiment but something like premunition certainly did."

Immunity
Whur, P.; and White R. G., 1970, Internat. Arch. Allergy and Applied Immunol., v. 38 (2), 185-195
fluorescence microscopy of small intestines of commercially slaughtered sheep and of Nippostrongylus brasiliensis-infected rats, concluded that globule leucocytes do not contain immunoglobulin

Immunity
Wikel, S. K.; and Allen, J. R., 1976, Immunology, v. 30 (3), 311-316
Dermacentor andersoni, guinea pigs, development of resistance to larvae, resistance passively transferred with viable lymph node cells but not with serum

Immunity
Wikel, S. K.; and Allen, J. R., 1976, Immunology, v. 30 (4), 479-484
Dermacentor andersoni, guinea pigs, cyclophosphamide treatment, blockage of acquisition of resistance, partial blockage of expression of resistance, evidence of humoral component to resistance mechanism in addition to previously established cell-mediated component

Immunity
Wikel, S. K.; and Allen, J. R., 1977, Immunology, v. 32 (4), 457-465
Dermacentor andersoni, guinea-pigs, effect of cobra venom factor (which causes complement depletion) on resistance response, did not alter acquisition of resistance but blocked expression of resistance in an already resistant animal, histologic picture at attachment site

Immunity
Wilkins, H. A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 294 [Demonstration]
Schistosoma haematobium, egg counts in children under 10 varied with season suggesting that worm burdens are influenced both by protective immunity and patterns of water contact

Immunity
Wilkins, H. A.; and Brown, J., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (5), 726-727 [Letter]
Schistosoma haematobium, human, elevated plasma IgE levels: The Gambia

Immunity
Wilkins, H. A.; and Capron, A., 1977, Ann. Trop. Med. and Parasitol., v. 71 (2), 186-195
Schistosoma haematobium in Gambian community, relation of antibody levels to age (indirect fluorescent antibody and indirect haemagglutination tests), seasonal changes in antibody level, relation of antibody to subsequent changes in egg output, results suggest that serologic parameters may have some relationship to protective immunity and immune response should be considered as factor in epidemiologic studies

Immunity
Willaert, E.; Jadin, J. B.; and Le Ray, D., 1972, Protistologica, v. 8 (4), 497-504
Naegleria, immunoelectrophoretic analysis of water soluble proteins, comparison of pathogenic and nonpathogenic strains, confirms existence of two separate species and gives evidence of homogeneity of pathogenic strains from different geographic areas, no antigenic relationship with Hartmannella castellanii or Entamoeba histolytica, study of antigenically intermediate strain between Naegleria gruberi and pathogenic Naegleria sp.

Immunity
Willaert, E.; and Stevens, A. R., 1976, J. Protozool., v. 23 (4), 22A [Abstract]
Acanthamoeba castellanii, A. culbertsoni, use of antibodies directed against cell surface membranes to distinguish pathogenic from nonpathogenic species

Immunity
Williams, D. M.; and Remington, J. S., 1977, Immunology, v. 32 (1), 19-23
Trypanosoma cruzi, capable of infecting and multiplying in human monocytes and monocyte-derived macrophages, activated macrophages inhibited intracellular multiplication of parasites and number of parasites in supernatants of activated monolayers markedly decreased

Immunity
Williams, D. M.; Sawyer, S.; and Remington, J. S., 1976, J. Infect. Dis., v. 134 (6), Dec., 610-623
mice (exper.) whose macrophages were activated by Trypanosoma cruzi or Besnoitia jellisoni were significantly more resistant to intraperitoneal challenge with T. cruzi than were controls; activated macrophages were able to inhibit completely multiplication of T. cruzi, this suggests that the macrophage may play a major role in resistance to infection

Immunity
Williams, J. F.; and Oriol, R., 1976, J. Parasitol., v. 62 (4), 563-568
Echinococcus granulosus, comparative susceptibility of Meriones unguiculatus (most) vs. albino mice (less) vs. golden hamsters (refractory) to infection with protoscolices, indirect haemagglutination titres in M. unguiculatus, failure of M. unguiculatus to develop immediate hypersensitivity responses represents marked deviation from pattern of immune response in echinococcosis in man and domestic animals and must be considered in use of jirds as model host

Immunity
Willms, K., 1975, Patologia, v. 13 (1), 115-125
Cysticercus cellulosae from pigs, antigens prepared from scolices induce in vitro proliferation of spleen lymphocytes from immunized and control mice, antigen mixture from scolices contains host serum proteins among them pig IgG, preliminary studies with electron microscope demonstrate presence of pig IgG on microvilli of external larval wall

Immunity
Willms, K.; and Arcos, L., 1977, Exper. Parasitol., v. 43 (2), 396-406
Taenia solium, immunoglobulin and other host serum proteins on cysticercus surface identified by ultrastructural immunoenzyme technique

Immunity
Wilson, R. A.; and Barnes, P. E., 1977, Parasitology, v. 74 (1), 61-71
Schistosoma mansoni tegument, formation and turnover of membranocalyx, possible significance in evasion of immune response

Immunity
Wilson, R. A.; and Barnes, P. E., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 289-290 [Demonstration]
schistosome tegument, multilaminate structure composed of normal trilaminate plasmamembrane over which lies a trilaminate secretion (membranocalyx), suggests that secreted membranocalyx functions as part of mechanism by which worm evades host immune response

Immunity
Wilson, R. J. M.; et al., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 308-312
Plasmodium falciparum, human, precipitating antibody response to malarial S-antigens, age distribution, other factors affecting production and detection of such antibodies: The Gambia

Immunity
Wilson, R. J. M.; and Phillips, R. S., 1976, Nature, London (5573), v. 263, 132-134
Plasmodium falciparum in Gambian children, in vitro screening of sera for anti-Plasmodium falciparum activity raised questions about antigenic diversity and duration of inhibitory antibody response, method devised to test known homologous or heterologous combinations of parasitised cells and sera (parasite multiplication and uptake of ^{3}H-isoleucine in serum obtained before and after chloroquine treatment)

Immunity
Wilson, R. J. M.; and Phillips, R. S., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 279-280 [Demonstration]
Plasmodium falciparum, multiplication in vitro of cryopreserved parasites as a method to test inhibitory antibody responses to wild populations of parasites of potentially disparate antigenicity

Immunity
Wilson, R. J. M.; and Williams, K., 1973, Ann. Trop. Med. and Parasitol., v. 67 (1), 15-20
European with suspected pyrimethamine-resistant malaria, serological study (flurorescent antibody test, C-reactive protein, precipitin test, immunoglobulin levels), precipitating antibodies demonstrated against two specific malarial antigens, differences from antibodies seen in sera from repeatedly infected Africans: The Gambia, West Africa

Immunity
Wilson, V.C.L.C.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 271-272 [Abstract]
Trypanosoma musculi, persistence in vasa recta of kidney of immune mice; T. lewisi did not persist in immune rats

Immunity
Wing, E. J.; et al., 1977, Nature, London (5621), v. 268, 642-644
macrophages activated by infection with Toxoplasma gondii or Trichinella spiralis, ability to inhibit tumor cell DNA synthesis and to inhibit intracellular multiplication of Toxoplasma gondii, results show that macrophages characterized as activated by one criterion may not satisfy other criteria of activation and that differences in functional capacity depend on the method used to activate the macrophages

Immunity
Wolf, R. E., 1976, J. Parasitol., v. 62 (2), 209-214
Leishmania tropica yotvata, Macaca mulatta as possible simian model of human disease, primary, secondary, and tertiary infection, clinical resistance, cellular- and humoral-immune responses, effects of antilymphocyte globulin therapy, results quantitatively and qualitatively different from those in humans

Immunity
Wolf, R. E., 1977, Clin. Immunol. and Immunopathol., v. 2 (3), 381-394
Babesia microti, effects of antilymphocyte serum and splenectomy on resistance to infection in hamsters, results suggest that although cellular immunity is major factor in host resistance humoral antibody may modify parasitemia and thus give some protection

Immunity
Wong, M. M., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (6), 479-490
Dirofilaria immitis in normal and immunosuppressed Macaca spp., histopathology, W.B.C. and eosinophil counts, radiological examination, serological examination by IFA test, recovery of adult worms only in immunosuppressed hosts indicates that host susceptibility rather than parasite infectivity was the factor concerned

Immunity
Wong, M. M., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (4), 480-486
Dirofilaria immitis, dirofilariasis without microfilaremia produced in dogs (exper.), immunologic responses analogized to etiology of tropical eosinophilic lung in humans

Immunity
Wong, M. M., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 88-93
Dirofilaria repens, healthy and immunosuppressed macaques (exper.), larvae and adult worms recovered in 10 of 13 but microfilaremia seen only in prednisolone-treated animals, host responses (eosinophilia and filarial antibodies)

Immunity
Wong, M. M.; et al., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 265-273
Brugia malayi, summary of longitudinal studies of 28 rhesus monkeys experimentally infected with single, double or multiple inoculations of larvae: clinical aspects, antibody responses, pathology, treatment with diethylcarbamazine, host biochemical changes, microfilaremia

Immunity
Wong, M. M.; and Lim, K. C., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 94-98
Dirofilaria tenuis, healthy and immunosuppressed macaques (exper.), larvae and adult worms recovered from 7 of 11 but microfilaremia seen only in a prednisolone-treated animal, host responses (eosinophilia and filarial antibodies)

Immunity
Wright, S. G.; and Tomkins, A. M., 1977, Clin. and Exper. Immunol., v. 29 (3), 408-412
Giardia lamblia, humans, quantification of lymphocytic infiltrate in jejunal epithelium, increased numbers of intraepithelial lymphocytes in patients with giardiasis and abnormal intestinal absorption compared with both control patients and patients with giardiasis and normal absorption

Immunity
Wyler, D. J., 1976, Clin. and Exper. Immunol., v. 23 (3), 471-476
Plasmodium falciparum, human (30 children, 3 adults), peripheral lymphocyte subpopulations altered by infection, decrease in % and concentration of T cells, increase in % but not concentration of B cells, increase in % and concentration of 'null' cells, effects rapidly reversible after antimalarial treatment, presumably represent sequestration of T cells in spleen or other organs: The Gambia, West Africa

Immunity
Wyler, D. J.; and Brown, J., 1977, Clin. and Exper. Immunol., v. 29 (3), 401-407
Plasmodium falciparum, malaria antigen-specific T-cell responsiveness not abrogated during infection, need for further work to identify basis of immunosuppression in malarial infection; possibility of acquiring sensitized T cells without experiencing clinically apparent infections

Immunity
Wyler, D. J.; and Gallin, J. I., 1977, J. Immunol., v. 118 (2), 478-484
Plasmodium spp. in mice and monkeys, spleen-derived mononuclear cell chemotactic factor as a possible mechanism for splenic macrophage accumulation

Immunity
Wyler, D. J.; Miller, L. H.; and Schmidt, L. H., 1977, J. Infect. Dis., v. 135 (1), 86-93
Plasmodium inui, intact and splenectomized rhesus monkeys (exper.), role of spleen in host defense and chronicity in malaria infection, results suggest that the spleen plays a protective role during the acute infection and a suppressive role during the chronic phase

Immunity
Yasuraoka, K.; et al., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 197
Schistosoma japonicum, Philippine strain, culture from cercarial stage, effects of immune rabbit and human sera in vitro, preliminary report

Immunity
Yokogawa, M.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (4), 581-586
increased levels of IgE in sera and pleural exudates of patients infected with Paragonimus, pleural levels significantly higher than serum levels in Paragonimus miyazakii infections when concentrations determined using radioimmunoadsorbents and antigens of Paragonimus spp.

Immunity
Yoshimura, K.; et al., 1976, Japan. J. Vet. Sc., v. 38 (6), 579-593
Angiostrongylus cantonensis, guinea pigs, rats, evolution of cellular (macrophage migration inhibitory factor; delayed-type skin reactivity) and humoral (hemagglutinating and precipitating antibodies) immune responses

Immunity
Yoshimura, K.; and Soulsby, E. J. L., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 99-107
Angiostrongylus cantonensis, rats, lymphoid cell responsiveness, antibody production (reaginic and haemagglutinating)

Immunity
Yoshino, T. P., 1976, Internat. J. Parasitol., v. 6 (5), 423-431
Renicola buchanani sporocysts, encapsulation response of Cerithidea californica, capsule formation is considered a type of leucocytic encapsulation specifically designated hyalinocytic encapsulation

Immunity
Yoshino, T. P.; Cheng, T. C.; and Renwrantz, L. R., 1977, J. Parasitol., v. 63 (5), 818-824
Schistosoma mansoni, surface determinants for various lectins and human blood group antibodies, alteration following transformation of miracidium to mother sporocyst, evidence of shared determinants with snail (Biomphalaria glabrata) host

Immunity
Young, A. S.; et al., 1977, Tropenmed. u. Parasitol., v. 28 (2), 185-194
successful transmission of Theileria parasites from eland (Taurotragus oryx) to cattle by feeding Rhipicephalus appendiculatus and R. pulchellus on them; cattle recovered from infections produced antibodies to Theileria sp. (eland) and T. sp. (Githunguri) previously also recovered from cattle, indications that the 2 species may be related and possibly represent a new species infective for cattle

Immunity
Zahalsky, A. C.; and Weinberg, R. L., 1976, J. Parasitol., v. 62 (1), 15-19
Trypanosoma brucei, inbred rats, humoral response to monomorphic strain during infection, during Berenil cure, after cure, and after rechallenge following drug-induced immunity; contribution of Berenil prophylaxis during refractory period, presence or absence of trypanosome-agglutinating antibodies, class of protective antibodies formed

Immunity
Zander, B.; and Hoerchner, F., 1976, Ztschr. Parasitenk., v. 50 (2), 178
Trichinella spiralis, guinea pigs, serum titration before and after mebendazole treatment

Immunity
Zeromski, J.; and Jazbor, A., 1969, Acta Parasitol. Polon., v. 17 (1-19), 119-125
Trichinella spiralis, rats, localization of antigens by direct and indirect immunofluorescence, methods compared, antigens found only within developing parasite, probably immunological mechanisms not active in production of clinical symptoms

Immunity
Zimmermann, W. J., 1976, Pub. Health Rep., U.S. Pub. Health and Mar. Hosp. Serv., v. 91 (6), 526-532
Toxoplasma gondii, no definitive relationships could be determined between epidemiologic characteristics examined and the presence of antibodies to toxoplasmosis in survey of veterinary college staff and students at the Iowa State University

Immunity
Zuckerman, A., 1970, Immun. Parasitic Animals (Jackson, Herman and Singer), v. 2, 793-829
rodent malaria, immunology, review

Immunity
Zuckerman, A., 1977, Exper. Parasitol., v. 42 (2), 374-446
Plasmodium, immunology, extensive review: immunodiagnosis and seroepidemiology; immunopathology; antigenic analysis; host responses; immunoglobulins; cell-mediated reactions

Immunity
Zuckerman, A.; et al., 1977, J. Protozool., v. 24 (2), Suppl., 20A [Abstract]
Plasmodium berghei-immune donor rats treated with cyclophosphamide, residual spleen cell population retained protection-inducing potential, cyclophosphamide mainly destroyed B-cells but also reduced relative number of T-cells

Immunity
Zuckerman, A.; and Jacobson, R. L., 1976, Internat. J. Parasitol., v. 6 (2), 103-106
Plasmodium berghei, rats, transfer of normal or immune spleen cells induces accelerated fluorescent antibody response, only immune cells induce protection against challenge; pre-treatment of donors with cyclophosphamide depletes spleens but affects neither antibody response nor protection-inducing potential in recipients

Immunity
Zuckerman, A.; Spira, D. T.; and Golenser, J., 1977, J. Protozool., v. 24 (2), Suppl., 20A [Abstract]
Plasmodium berghei-immune donor rats treated with cyclophosphamide, residual spleen cell population retained protection-inducing potential, cyclophosphamide mainly destroyed B-cells but also reduced relative number of T-cells

Immunity, Adoptive. See Immunity, Passive.

Immunity, Agar gel diffusion. See Immunity, Precipitation.

Immunity, Agglutination
Abioye, A. A., 1976, J. Trop. Med. and Hyg., v. 79 (11), 252-255
Entamoeba histolytica, drug (emetine, metronidazole) and immuno-diagnostic (fluorescent antibody, gel diffusion and latex agglutination tests) resistant amoebic hepatic abscess in man, case report, blood-abscess cavity barrier postulated as possible mechanism for diagnostic failure: Nigeria

Immunity, Agglutination
Aguilar-Torres, F. G.; Rytel, M. W.; and Kagan, I. G., 1976, Am. J. Trop. Med. and Hyg., v. 25 (5), 667-670
Trypanosoma cruzi, human, comparison of counterimmunoelectrophoresis with latex agglutination and indirect hemagglutination in detection of antibodies, use as epidemiologic tool

Immunity, Agglutination
Aiyedun, B. A.; and Amodu, A. A., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 282-283 [Abstract]
trypanosomiasis, human, diagnosis, capillary-tube agglutination test used in field surveys in an endemic area: Benue Plateau State

Immunity, Agglutination
Aiyedun, B. A.; and Amodu, A. A., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (1), 67-71
trypanosomiasis, albino rats (exper.), humans, diagnosis, capillary-tube precipitation test (known as capillary-tube agglutination test), rapid and specific technique that could be used in field survey work

Immunity, Agglutination
Alley, J. L.; and Christenberry, C. C., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 137-140
anaplasmosis, cattle, comparison of rapid card agglutination test with complement fixation test showed overall agreement of 93,9% for unvaccinated animals and 77.9% for vaccinated herds; demonstration that anaplasmosis can be eliminated from a herd of cattle by isolation and aureomycin treatment of infected animals detected exclusively on basis of card agglutination test results

Immunity, Agglutination
do Amaral, V.; Santos, S. M.; and Reboucas, M. M., 1975, Biologico, S. Paulo, v. 41 (4), 105-107
Toxoplasma gondii, prevalence of antibodies in pigs, hemagglutination test: States of Sao Paulo and Rio Grande do Sul, Brazil

Immunity, Agglutination
Ambroise-Thomas, P.; and Meyer, H. A., 1975, Acta Trop., v. 32 (4), 359-364
Entamoeba histolytica, hepatic amoebiasis, human, diagnosis, agglutination and indirect fluorescent antibody tests, clinical trials with Tinidazole (Fasigyn), well tolerated with encouraging results but some cases required supplementary treatment with metronidazole: region of Kilimanjaro, northeast Tanzania

Immunity, Agglutination
Amerault, T. E., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 133-135
Anaplasma marginale, cattle, diagnosis, review of card test (nature and production of test antigen; card test procedure for plasma and serum; comparison of card test, complement fixation test, and calf inoculation results)

Immunity, Agglutination
Amerault, T. E.; and Roby, T. O., 1977, World Animal Rev. (22), 34-38
card test as an accurate and simple procedure for detecting Anaplasma marginale in cattle, possible use for determining wildlife reservoirs of anaplasmosis and detecting babesiosis, review

Immunity, Agglutination
Apt, W.; et al., 1970, Bol. Chileno Parasitol., v. 25 (1-2), 37-41
Toxoplasma gondii, human, diagnosis, establishment of criteria for interpretation of toxoplasmin skin test and comparison with results of hemagglutination test

Immunity, Agglutination
Arnaudov, D.; et al., 1976, Vet. Med., Praha, v. 49, v. 21 (6), 375-384
Toxoplasma gondii, sheep, immunoepizootiological study by hemagglutination, indirect fluorescence, and microprecipitation reaction in agar gel; higher incidence in aborting ewes and in sheep in montane regions: Bulgaria; Czechoslovakia

Immunity, Agglutination
Averbach, S.; et al., 1975, Medicina, Buenos Aires, v. 35 (5), 469-476
Toxoplasma gondii, human, diagnostic differentiation of acute vs. chronic infection, direct agglutination test with and without treatment of sera with 2-mercaptoethanol is convenient tool for detecting only specific IgM antibody response at early stage of infection, comparison with immunofluorescence

Immunity, Agglutination
Baldini, I.; Pala, V.; and Ferro, M., 1974, Pathologica (959-960), v. 66, 339-349
Ascaris lumbricoides in humans, complement fixation, passive agglutination and latex agglutination compared with direct fecal examination as means of diagnosis

Immunity, Agglutination
Barrett-Connor, E.; et al., 1976, J. Infect. Dis., v. 133 (4), 473-477
Trichinella spiralis, outbreak in campers after eating roasted wild pig, diagnosis by eosinophilia and sero-immunologic studies; diagnostic test comparisons, skin-test antigen inconclusive: California (infected in Hawaii)

Immunity, Agglutination
Barriga, O. O., 1977, J. Clin. Microbiol., v. 6 (3), 274-279
Trichinella spiralis, different antigenic fractions, reactivity and specificity (tested for cross-reactions against Ascaris suum) in cutaneous (immediate and delayed) and serological (bentonite agglutination, hemagglutination, hemagglutination inhibition) tests, implications for clinical diagnosis of trichinellosis

Immunity, Agglutination
Benjamin, D. B.; and Soulsby, E. J. L., 1976, Am. J. Trop. Med. and Hyg., v. 25 (2), 266-272
Brugia pahangi in Mastomys natalensis, homocytotropic and hemagglutinating antibody responses detected using Dirofilaria immitis as antigen

Immunity, Agglutination
Benkova, M.; and Boroskova, Z., 1976, Vet. Med., Praha, v. 49, v. 21 (6), 369-373
Ascaris suum, rabbit (non-specific host), demonstration of migration phase, sensitiveness of complement-fixation and latex-fixation test

Immunity, Agglutination
Budden, J. R.; and Dimopoullos, G. T., 1977, Am. J. Vet. Research, v. 38 (5), 633-636
Anaplasma marginale, finite purification, antibody in anaplasmosis detected by agglutination tests is directed against erythrocytic stromata, not against finitely purified anaplasma bodies

Immunity, Agglutination
Carson, C. A.; Sells, D. M.; and Ristic, M., 1976, Am. J. Vet. Research, v. 37 (9), 1059-1063
Anaplasma marginale, effect of blood group substances vs. parasitic components on induction of delayed cutaneous hypersensitivity and production of isoagglutinins in cattle injected with live or inactivated parasites in ovine or bovine erythrocytes, results indicate that inactivated sheep origin vaccine may avoid eliciting neonatal isoerythrolysis syndrome in calves from vaccinated dams

Immunity, Agglutination
Cesari, I. M., 1976, Internat. J. Parasitol. v. 6 (4), 295-298
Schistosoma mansoni, presence of membrane-associated agglutinin directed against surface molecular determinants of untreated mouse and rat erythrocytes, seems to be host-independent worm membrane receptor, possible role in host-parasite adaptation mechanism

Immunity, Agglutination
Cesari, I. M.; and Marchiani, C., 1977, Internat. J. Parasitol., v. 7 (4), 275-279
Schistosoma mansoni, membrane-associated agglutinin, inhibition studies, suggested that agglutinin might catch antigenic material onto worm surface and disguise it from host's immunological recognition

Immunity, Agglutination
Chang, K.-P., 1976, J. Protozool., v. 23 (2), 241-244
Blastocrithidia culicis, Crithidia oncopelti, symbiote-free strains: liver extract as essential growth factor in defined medium; cross-reactivity in reciprocal agglutination test with symbiote-containing strains indicates loss of symbiotes does not affect antigenic identity

Immunity, Agglutination
Chun, M. L.; and Cross, J. H., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (4), 625-630
Entamoeba histolytica, comparison of hemagglutination, counterimmuno-electrophoresis and immunoelectrophoresis test for detecting antigen-antibody reactions in human serum, greatest number of components demonstrated by two-dimensional electrophoresis

Immunity, Agglutination
Clarkson, M. J.; Cottrell, B. A.; and Toro, M., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 10-11 [Demonstration]
animal trypanosomiasis, diagnosis by capillary-tube agglutination test using Trypanosoma vivax antigen, cattle (nat. and exper.), sheep (exper.), goats (exper.): Venezuela

Immunity, Agglutination
Colley, D. G., 1975, J. Immunol., v. 115 (1), 150-156
Schistosoma mansoni, mice, chronic primary infection, immune responses to soluble egg antigen (lymphocyte blastogenesis, production of lymphokine eosinophil stimulation promoter, haemagglutinating antibody, PGA antibodies, peripheral blood eosinophilia), relationship to anti-egg granulomatous response and pathogenesis of the disease

Immunity, Agglutination
Collins, W. E.; Lunde, M. N.; and Skinner, J. C., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 412-416
measurement of developing antibodies to Plasmodium vivax comparing results of indirect hemagglutination and indirect fluorescent antibody tests, effects of short-term infections on development and persistence of antibody response and effect of relapse on response

Immunity, Agglutination
Cornish, J.; LeFlore, W. B.; and Smith, B. F., 1976, Tr. Am. Micr. Soc., v. 95 (2), 266-267 [Abstract]
Cysticercus fasciolaris, sensitivity of micro-precipitin, agar-gel precipitin, immunoelectrophoresis, and indirect hemagglutination tests; cross-reaction with Taenia crassiceps, no cross-reaction with T. saginata and Echinococcus granulosus

Immunity, Agglutination
D'Alesandro, P. A., 1976, J. Protozool., v. 23 (2), 256-261
Trypanosoma lewisi, specificity of agglutinins elicited by 2 antigenic variants studied with classical adsorption and agglutination methods and newer immunoelectroadsorption technic

Immunity Agglutination
De Rosa, F.; et al., 1972, Parassitologia, v. 14 (2-3), 293-302
echinococcosis, human, complement fixation reaction, indirect hemoagglutination, comparison, epidemiological applications, case histories

Immunity, Agglutination
Desmonts, G.; et al., 1974, Nouv. Presse Med., v. 3 (24), 1547-1549
human toxoplasmosis, human sera with negative dye tests and negative immunofluorescence, agglutination of parasites using Fulton test with highly sensitive antigen, results probably due to natural IgM antibodies against the parasites

Immunity, Agglutination
Dhar, S.; and Gautam, O. P., 1977, Indian J. Animal Sc., v. 47 (8), 458-462
Theileria annulata, cattle (nat. and exper.), capillary-tube-agglutination test

Immunity, Agglutination
Dhar, S.; and Gautam, O. P., 1977, Indian J. Animal Sc., v. 47 (9), 566-570
Theileria annulata, cattle (nat. and exper.), haemagglutination-inhibition, indirect haemagglutination, and agar-gel-precipitation tests evaluated, haemagglutination-inhibition test most sensitive and more reliable than blood smear examination in predicting latent Theileria infection

Immunity, Agglutination
Dimopoullos, G. T.; and Finerty, J. F., 1976, Am. J. Vet. Research, v. 37 (6), 693-695
Anaplasma marginale, Plasmodium lophurae, P. berghei, cross reactivity in passive haemagglutination tests

Immunity, Agglutination
Doby, J. M.; and Kombila-Favry, M., 1974, Médecine et Malad. Infect., v. 4 (7), 397-401
human toxoplasmosis, immunofluorescence and agglutination and detection of immunoglobulin M, most reliable seroimmunologic tests for diagnosis

Immunity, Agglutination
Dooris, P. M.; and McGhee, R. B., 1976, J. Protozool., v. 23 (3), 433-437
Crithidia harmosa, C. fasciculata, differentiation by immunological methods (agglutination, indirect fluorescent antibody) and by polyacrylamide gel slab electrophoresis (number and relative mobilities of component protein bands)

Immunity, Agglutination
Duffus, W.P.H.; Preston, J. M.; and Staak, C. H., 1975, J. Helminth., v. 49 (1), 1-7
Schistosoma bovis, fractionation of adult worm antigen, use in complement fixation, immuno-diffusion, indirect haemagglutination and indirect haemagglutination inhibition tests, cross-reactions using sera from Fasciola gigantica-infected cattle

Immunity, Agglutination
Durfee, P. T.; et al., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (1), 4-8
Toxoplasma gondii, lack of sensitivity of indirect hemagglutination test for detecting swine serum antibody titers, therefore not of value in tests for prevalence of toxoplasmosis in swine populations

Immunity, Agglutination
Dwyer, D. M., 1976, Proc. Nat. Acad. Sc., v. 73 (4), 1222-1226
Trypanosoma lewisi, bloodstream forms isolated from rats, ultrastructural and immunologic evidence of avidly bound host serum proteins in surface coat, not present in intact culture or trypsinized bloodstream forms but reacquired after incubation in heterologous host serum proteins

Immunity, Agglutination
Dwyer, D. M.; and D'Alesandro, P. A., 1976, J. Protozool., v. 23 (2), 262-271
Trypanosoma musculi bloodstream forms, lectin agglutination, fine structure localization of concanavalin A sites, antibody agglutinations (regular presence of surface-bound host serum proteins; induced surface adsorption of serum proteins), fine structural evidence of host serum in surface coat

Immunity, Agglutination
Dymowska, Z.; and Sporzynska, Z., 1973, Med. Dosw. i Mikrobiol., v. 25 (4), 339-343
Toxoplasma gondii, human, evaluation of passive agglutination test for diagnosis, comparison with complement fixation and immunofluorescence

Immunity, Agglutination
Dymowska, Z.; and Zielinska, E., 1975, Med. Dosw. i Mikrobiol., v. 27 (4), 411-415
Toxoplasma gondii, human, antigen for passive hemagglutination obtained by ultrasonic disintegration of cells highly specific for diagnosis, comparative trials

Immunity, Agglutination
Eimontas, Z. I.; and Medzevicius, A. K., 1974, Lietuvos TSR Moks. Akad. Darbai, s. C (68) (4), 65-76
Trichocephalus suis, pigs, immunization with gamma globulin from immune and normal pigs, antibody dynamics, investigation by precipitation and agglutination

Immunity, Agglutination
Ejden, J., 1970, Medicina, Buenos Aires, v. 30 (5), 427-432
latex agglutination test useful tool in epidemiologic surveys of large populations in endemic areas of human echinococcosis, comparison with passive hemagglutination test

Immunity, Agglutination
Ejden, J.; and Inglesini, C. L., 1972, Medicina, Buenos Aires, v. 32 (3), 231-234
IgG established as immunoglobulin responsible for reactions of passive hemagglutination and latex agglutination tests in diagnosis of human echinococcosis

Immunity, Agglutination
Enayat, M. S.; and Pezeshki, M., 1977, J. Helminth., v. 51 (2), 143-148
Toxocara canis, guinea pigs (exper.), comparison of counterimmunoelectrophoresis with indirect haemagglutination test for detection of antibodies, possible use of these techniques for immunodiagnosis of human visceral larva migrans

Immunity, Agglutination
Felgner, P.; and Lederer, I., 1976, Tropenmed. u. Parasitol., v. 27 (2), 165-168
comparative study using complement fixation, indirect agglutination and latex agglutination tests in immunodiagnosis of amoebiasis (differently prepared antigens, specific recommendations for latex agglutination, long-term storage of sensitized sheep red cells and temperature variations)

Immunity, Agglutination
Fromentin, H.; and Wiart, J., 1975, Bull. Soc. Path. Exot., v. 68 (3), 306-312
2 specific antigenic fractions of Trypanosoma gambiense demonstrated by tannic acid hemagglutination when applied to experimentally infected rodent sera

Immunity, Agglutination
Gancarz, Z., 1974, Med. Dosw. i Mikrobiol., v. 26 (1-2), 157-167
Trichinella spiralis, pigs, rabbits (exper.), bentonite flocculation most successful for mass human diagnosis, comparative laboratory trials

Immunity, Agglutination
Garabedian, G. A.; and Zekian-Arslanian, B., 1976, Ann. Trop. Med. and Parasitol., v. 70 (4), 435-437
hydatid fluid antigen, filtration through Seitz EK filter pads, unsuitable for use in Casoni skin tests or indirect haemagglutination tests, membrane filters more satisfactory

Immunity, Agglutination
Gastaut, J. A.; Ranque, P.; and Quilici, M., 1972, Marseille Med., v. 109 (10), 627-629
amoebiasis, human, diagnosis using immunofluorescence or agglutination, comparison trials

Immunity, Agglutination
Gehle, W. D.; Smith, K. O.; and Fuccillo, D. A., 1976, Infect. and Immun., v. 14 (5), 1253-1255
Toxoplasma gondii, solid-phase radioimmunoassay, results show good correlation with indirect hemagglutination test

Immunity, Agglutination
Ghose, A. C., 1976, Experientia, v. 32 (8), 1059-1061
sera from guinea pigs infected with Leishmania enriettii showed higher hemagglutination titres for neuraminidase-treated human erythrocytes than those of normal guinea pigs

Immunity, Agglutination
Goedbloed, E.; et al., 1973, Ann. Trop. Med. and Parasitol., v. 67 (1), 31-43
Trypanosoma brucei subgroup, antigenic types of 38 strains isolated from more than 73,000 Glossina spp. from 4 geographically separate areas, intra- and inter-area and intra- and inter-strain comparisons, direct agglutination test used primarily: Uganda and Kenya, East Africa

Immunity, Agglutination
Gomez, V.; et al., 1974, Rev. Iber. Parasitol., v. 34 (3-4), 317-322
Trichinella spiralis, human, C-reactive proteins in serum associated with non-specific reactions to haemagglutination tests

Immunity, Agglutination
Goodger, B. V., 1973, Austral. Vet. J., v. 49 (2), 81-84
improved sensitivity of haemagglutination test for Babesia bigemina antibody using antigen obtained from lysate of infected erythrocytes; cross-reaction with B. argentina antisera, comparing cross-reactions of antigens from both species enables differentiation without inhibition techniques

Immunity, Agglutination
Goodger, B. V., 1976, Internat. J. Parasitol., v. 6 (3), 213-216
Babesia argentina, crude soluble haemagglutination antigen contained fibrinogen, removal of fibrinogen removed most if not all antigenic activity, concluded that antigen was either babesial moiety complexed with fibrinogen or a fibrinogen molecule altered by parasite metabolic activity

Immunity, Agglutination
Gray, A. R., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 150-151 [Abstract]
Trypanosoma gambiense, isolates from different countries in Africa show close antigenic relationship

Immunity, Agglutination
Gray, A. R., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 131-138
Trypanosoma gambiense transmitted by tsetse flies to rabbits and monkeys, developmental patterns of agglutinogenic antigens in cyclically transmitted isolates

Immunity, Agglutination
Grove, D. I.; Warren, K. S.; and Mahmoud, A. A. F., 1976, J. Infect. Dis., v. 133 (3), 354-358
clinical, diagnostic and epidemiologic review of human forms of echinococcosis

Immunity, Agglutination
Guisantes, J. A.; and Varela-Diaz, V. M., 1975, Bol. Chileno Parasitol., v. 30 (3-4), 54-57
human echinococcosis, comparative trials using latex agglutination, double diffusion and immunoelectrophoresis for diagnosis

Immunity, Agglutination
Hagiwara, T.; Katsube, Y.; and Hanaki, T., 1976, Japan. J. Vet. Sc., v. 38 (5), 517-520
Toxoplasma, swine, dye and hemagglutination tests evaluated for detection of latent infection

Immunity, Agglutination
Haider, Z.; Rasul, A.; and un-Din, F., 1974, Pakistan J. Med. Research, v. 13 (2-3), 39-42
human hepatic and intestinal amoebiasis, diagnosis using latex agglutination test

Immunity, Agglutination
Hajela, S. K.; Bhatia, B. B.; and Rai, D. N., 1976, Indian J. Animal Research, v. 10 (1), 45-46
Schistosoma incognitum, piglets (exper.), haemagglutination test, possible application in epidemiological studies

Immunity, Agglutination
Hansen, I. M., 1976, Am. J. Trop. Med. and Hyg., v. 25 (3), 422-426
Schistosoma mansoni, diagnosis, re-evaluation of slide flocculation test, high sensitivity and specificity when "stunted schistosomes" from rabbits were used as antigen, cercarial antigen showed extensive cross reactions, antigen from mature adult worms could not be coated with cholesterol-lecithin crystals as required

Immunity, Agglutination
Hanson, W. L.; et al., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 117-131
Trypanosoma cruzi, detection of small numbers of viable or virulent parasites in blood and other fluids by Vero cell culture procedure or by mouse inoculation, immunization of mice with irradiated trypomastigotes and amastigotes, serology as determined by indirect fluorescent antibody and agglutination tests

Immunity, Agglutination
Henning, J.; et al., 1974, Behring Inst. Mitt. (54), 107-109
C[ysticercus] bovis, calves (exper.), indirect haemagglutination tests with antigens from C[ysticercus] bovis, C[ysticercus] longicollis and T[aenia] saginata, all suitable except with infections of less than ten parasites

Immunity, Agglutination
Herbert, I. V.; and Oberg, C., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 199-211
Taenia solium, incidence in man in Chile, pigs (exper.), immunological responses, in vivo and in vitro manifestations, skin testing, passive cutaneous anaphylaxis, indirect haemagglutination, attempt to correlate with autopsy findings for possible serologic diagnosis, some results with T. hydatigena also

Immunity, Agglutination
Herd, R. P., 1976, Parasitology, v. 72 (3), 325-334
Echinococcus granulosus protoscoleces and adults, effects of complement and/or specific antibodies in vitro

Immunity, Agglutination
Hoerchner, F.; Grelck, H.; and Flasshoff, F. G., 1976, Berl. u. Munchen. Tierarztl. Wchnschr., v. 89 (15), 296-300
Fasciola hepatica, cattle, diagnosis, comparison of one-time fecal examination and various serological tests, confirmation by post-mortem liver and bile examination; indirect immunofluorescence test better than agar gel precipitation, latex agglutination or fecal examination; duration of egg-shedding after treatment with Dirian

Immunity, Agglutination
Hoghooghi, N.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (4), 660-661
evaluation of the slide-latex agglutination test and comparison with Casoni intradermal test for sensitivity and specificity in diagnosis of human echinococcosis

Immunity, Agglutination
Howarth, J. A.; Hokama, Y.; and Amerault, T. E., 1976, J. Wildlife Dis., v. 12 (3), 427-434
Anaplasma marginale, detection in wild Odocoileus hemionus columbianus using modified card agglutination test, accuracy confirmed by calf inoculation with deer blood: California

Immunity, Agglutination
Huebner, J.; et al., 1973, J. Protozool., v. 20 (4), 536
Encephalitozoon cuniculi, serodiagnosis, indirect micro-haemagglutination test not successful, microprecipitation in agar gel may have potential

Immunity, Agglutination
Hungerer, K. D.; et al., 1974, Behring Inst. Mitt. (54), 100-106
C[ysticercus] bovis, C. longicollis, T[aenia] saginata, production and purification of antigens, use in indirect haemagglutination test, tests of cross reactions

Immunity, Agglutination
Jackson, T. F. H. G.; and De Moor, P. P., 1976, J. Helminth., v. 50 (2), 59-63
Schistosoma haematobium, human, hemagglutination tests using Bulinus africanus extract as antigen, frequency and titres of anti-snail antibodies significantly greater in infected than in non-infected individuals and in populations from endemic vs. non-endemic areas

Immunity, Agglutination
Jatkar, P. R.; Rao, P. V.; and Singh, M., 1977, Indian Vet. J., v. 54 (10), 795-797
Trypanosoma evansi, camels, diagnosis by capillary agglutination test; standardization and improved methods of antigen preservation needed

Immunity, Agglutination
Jones, H. I., 1977, Ann. Trop. Med. and Parasitol., v. 71 (2), 219-226
use of haemagglutination test as aid in study of epidemiology of human Ascaris lumbricoides infections, A. suum used as antigen: Papua New Guinea and East Timor

Immunity, Agglutination
Kamiya, M., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 570-571 [Demonstration]
Angiostrongylus cantonensis, positive indirect hemagglutination titers in experimentally infected rats after early stages of infections

Immunity, Agglutination
Kamiya, M.; and Klongkamnuankarn, K., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 571-572 [Demonstration]
Angiostrongylus cantonensis, rats (exper.), hemagglutination activity after transfer of adult worms to abdominal cavity of noninfected rats

Immunity, Agglutination
Kamiya, M.; and Klongkamnuankarn, K., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 572-573 [Demonstration]
Angiostrongylus cantonensis, fractionation of serum of rats (exper.) with sephadex G2-00 chromatography, hemagglutination tests of each fraction

Immunity, Agglutination
Kamiya, M.; and Klongkamnuankarn, K., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 573 [Demonstration]
Angiostrongylus cantonensis, rabbits as experimental host model, immunological response to hemagglutination test

Immunity, Agglutination
Kamiya, M.; Klongkamnuankarn, K.; and Bunnag, D., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 574 [Demonstration]
Angiostrongylus cantonensis, evaluation of hemagglutination test for diagnosis of infection in man

Immunity, Agglutination
Kamiya, M.; Tharavanij, S.; and Harinasuta, C., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 187-194
Angiostrongylus cantonensis, fractionation of male and female antigen extracts, antigenicity of each fraction determined by indirect hemagglutination and immunoelectrophoresis tests

Immunity, Agglutination
Katz, S. P.; and Colley, D. G., 1976, Infect. and Immun., v. 14 (2), 502-508
Schistosoma mansoni, mice, induction of cellular and humoral immunological reactivity to soluble cercarial antigen preparation, assayed by in vitro lymphocyte blastogenic activity and by presence of agglutinating and reaginic antibody activity

Immunity, Agglutination
Klimowicz, J.; Gancarz, Z.; and Wyrzykowski, J., 1975, Przegl. Lek., v. 32 (12), 876-878
human trichinosis, use of immunofluorescence and passive hemagglutination tests for diagnosis and for epidemiologic surveys

Immunity, Agglutination
Knierim, F.; and Rubinstein, P., 1970, Vox Sanguinis, v. 18 (3), 280-286
Chagas disease, rapid hemagglutination slide test for antibodies using tanned human red cells, useful in blood banks and epidemiologic surveys

Immunity, Agglutination
Knierim, F.; Sandoval, J.; and Munoz, E., 1973, Bol. Chileno Parasitol., v. 28 (3-4), 54-57
Trypanosoma cruzi, indirect hemagglutination text highly sensitive and specific for diagnosis of chronic Chagas disease

Immunity, Agglutination
Kobayashi, A.; Soltys, M. A.; and Woo, P.T.K., 1976, Ann. Trop. Med. and Parasitol., v. 70 (1), 53-58
Trypanosoma congolense, sheep, diagnosis, comparison of various parasitological techniques (wet mount preparation; hematocrit centrifuge technique; mouse inoculation test) with various serological techniques (immunolysis test; indirect fluorescent antibody test; complement fixation test; immunoconglutination test), effect of treatment with quinapyramine dimethosulphate on diagnosis

Immunity, Agglutination
Kosmiderski, S.; Polak, S.; and Burczek, R., 1971, Polski Tygod. Lekar., v. 26 (33), 1271-1272
human taeniasis, styrene latex antigens used in diagnosis

Immunity, Agglutination
Kruatrachue, M.; and Na-Nakorn, S., 1976, Ann. Trop. Med. and Parasitol., v. 70 (4), 375-380
Plasmodium falciparum, human, marked reduction in incidence of cold haemagglutinin

Immunity, Agglutination
Krupp, I. M., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 387-392
Entamoeba histolytica, antigenic pattern and variation in host response to amebic disease analyzed by immunoelectrophoretic patterns and indirect hemagglutination titers in sera obtained from patients from various parts of the world

Immunity, Agglutination
Kuhn, R. E.; and Vaughn, R. T., 1976, Internat. J. Parasitol., v. 6 (3), 223-225
Trypanosoma cruzi, use of ^{51}Cr-labelled culture forms in agglutination titrations

Immunity, Agglutination
Kumar, P. S.; et al., 1977, Indian J. Med. Research, v. 66 (5), 756-764
Toxoplasma gondii, preparation of Toxoplasma hemagglutination antigen from parasites grown in tissue culture, comparison of sensitivity and specificity with antigen prepared from peritoneal exudate of infected mice (exper.)

Immunity, Agglutination
Lahav, M.; et al., 1975, J. Protozool., v. 22 (3), 72A [Abstract]
Entamoeba histolytica, human, detection of antibodies by counterelectrophoresis and passive haemagglutination technique

Immunity, Agglutination
Lawrence, J. A., 1977, Research Vet. Sc., v. 23 (3), 288-292
Schistosoma mattheei, Friesian steers (exper.), antibody response followed up to 76 weeks by complement fixation, indirect haemagglutination, and indirect immunofluorescent tests, strong cross-reaction to Fasciola gigantica and Paramphistomum microbothrium in CF test, while IH and IF tests were specific; IF test of proven value in diagnosis of clinical schistosomiasis

Immunity, Agglutination
Lemasson, J. M.; and Dindinaud, M. H., 1974, Ouest Med., v. 27 (15), 1425-1430
human toxoplasmosis, diagnosis comparing direct agglutination and indirect immunofluorescence

Immunity, Agglutination
Lloyd, S.; and Soulsby, E. J. L., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 231-240
Taenia taeniaeformis, mice, maternal transfer of antibody, placental and transmammary transfer of immunity, passive transfer of immunity by serum or intestinal or colostral immunoglobulins, indirect haemagglutination and enhanced haemagglutination, immunoglobulin classes involved, antibody on intestinal wall of neonatal mice revealed by indirect fluorescent antibody technique, possible model system for T. saginata in calves

Immunity, Agglutination
Locatelli, A.; and Simonic, T., 1974, Folia Vet. Latina, v. 4 (1), 43-70
Fasciola hepatica, short review of physiology, biochemistry, pathogenicity, immunology, and diagnosis (fecal examination, complement fixation, precipitation, haemagglutination, flocculation, and allergy tests, indirect immunofluorescence)

Immunity, Agglutination
Loehr, K.F., 1972, J. Protozool., v. 19 (4), 658-660
Babesia bigemina, immunity in cattle (exper.), concluded that premunity is followed by sterile immunity which lasts for at least 6 months and thereafter fades gradually with time, also concluded that minimum period of contact between host and parasite is required for acquisition of immunity, capillary tube agglutination test sensitive but unsuitable for detection of carrier animals

Immunity, Agglutination
Loehr, K. F.; Ross, J. P. J.; and Meyer, H., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (1), 86-95
Anaplasma marginale, A. centrale, cattle, homologous and heterologous indirect fluorescent antibody and capillary tube agglutination responses to primary infection and reinfection and to cross-infection with the heterologous organisms, clinical reactions; A. centrale carrier animals showed high degree of premunity to severe challenge with A. marginale

Immunity, Agglutination
Loehr, K. F.; Ross, J. P. J.; and Meyer, H., 1974, Tropenmed. u. Parasitol., v. 25 (2), 217-226
sera of 1505 game animals of 19 different species screened for antibodies to Anaplasma marginale, Babesia bigemina, and Theileria parva, capillary tube agglutination and indirect fluorescent antibody tests, antibodies more prevalent in sera of antelopes grazing in vicinity of non-dipped cattle than in areas where cattle are either dipped regularly or are not present at all, need for studies on transmission of these organisms from game to cattle and vice versa: Kenya; Tanzania; Uganda; Zambia

Immunity, Agglutination
Lunde, M. N.; and Fayer, R., 1977, J. Parasitol., v. 63 (2), 222-225
Sarcocystis, soluble antigen prepared from zoites obtained by pepsin digestion techniques, indirect hemagglutination test and agar gel diffusion test in cattle, possible use in diagnosis, antigen did not cross-react with sera of Toxoplasma-positive humans and did not react with sera from Sarcocystis-infected dogs

Immunity, Agglutination
McHardy, N.; and Gilson, C., 1974, Tropenmed. u. Parasitol., v. 25 (1), 11-21
Anaplasma marginale, differences in ultrastructure of agglutinating and complement-fixing antigens, relation to structure of complete organism

Immunity, Agglutination
Machnicka, B., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 213-221
Taenia saginata, humans, Cysticercus bovis, calves, antibody response, cross-reactions indicating antigenic relationship between adult and larval form, passive hemagglutination, indirect immunofluorescence, gel precipitation, immunoelectrophoresis

Immunity, Agglutination
Mahajan, R. C.; et al., 1977, Indian J. Med. Research, v. 66 (1), 29-32
Toxoplasma gondii in humans, evaluation of indirect fluorescent antibody test and indirect hemagglutination test for detection of Toxoplasma antibodies in suspected infections

Immunity, Agglutination
Mahajan, R. C.; and Chitkara, N. L., 1975, Progr. Drug Research, v. 19, 75-80
human echinococcosis, diagnostic trials comparing the Casoni skin test, bentonite flocculation test (BFT), and indirect hemagglutination test (IHA); both BFT and IHA more sensitive and specific than the Casoni test and together serodiagnosis could be achieved with reasonable degree of certainty

Immunity, Agglutination
Mahajan, R. C.; Ganguly, N. K.; and Chitkara, N. L., 1976, Indian J. Med. Research, v. 64 (3), 405-409
comparative evaluation of immunodiagnostic techniques for human echinococcosis (fluorescent antibody test, indirect hemagglutination, intradermal Casoni test)

Immunity, Agglutination
Mannweiler, E.; et al., 1976, Deutsche Med. Wchnschr., v. 101 (52), 1915-1919
human amoebic hepatic abscesses, comparative seroimmunologic tests for antibody presence in infected persons, controls and persons from endemic areas show multiple tests needed for accurate diagnosis

Immunity, Agglutination
Mannweiler, E.; Thoele, A.; and Lederer, I., 1977, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 238 (4), 494-502
echinococcosis, human, immunodiagnosis using aqueous extract from Echinococcus multilocularis cyst material, and protoscolices from E. granulosus and E. multilocularis, results showed indirect immunofluorescence test with vital protoscolices the most specific whereas indirect hemagglutination test with hydatid fluid and extract from E. multilocularis the most sensitive, latex test the least specific method

Immunity, Agglutination
Manuel, M. F.; Mendoza, C. B.; and Navarro, J. A., 1975, Philippine J. Vet. Med., v. 13 (1-2), 1974, 187-199
Toxoplasma gondii, pigs, incidence, serological survey, indirect hemagglutination test: Philippines

Immunity, Agglutination
Mathews, H. M.; and Dilworth, D. A., 1976, Am. J. Trop. Med. and Hyg., v. 25 (2), 351-352
Plasmodium brasilianum, use as antigen in indirect hemagglutination test for diagnosing human P. falciparum, P. vivax, P. ovale, P. malariae

Immunity, Agglutination
Mathews, H. M.; Fried, J. A.; and Kagan, I. G., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 417-422
evaluation by indirect hemagglutination test of soluble antigens prepared from Plasmodium falciparum and P. vivax, measurement of detection rate in heterologous and homologous Plasmodium spp.

Immunity, Agglutination
Mathews, H. M.; Lobel, H. O.; and Breman, J. G., 1976, Am. J. Trop. Med. and Hyg., v. 25 (2), 217-220
Plasmodium falciparum, P. malariae, infants and young children, prevalence of malaria antibody evaluated using indirect hemagglutination test with P. falciparum antigen and filter paper blood specimens, slight decline in 6- to 8-month-old children with no demonstrable parasitemia but those older than 10 months had similar antibody levels regardless of presence or absence of demonstrated parasites in blood smears: Ivory Coast

Immunity, Agglutination
Matossian, R. M.; et al., 1976, Internat. J. Parasitol., v. 6 (5), 367-371
Echinococcus granulosus, human, serum immunoglobulin levels, significant increase in IgG, increase in IgM and IgA significant only in pulmonary cases, no significant correlation between haemagglutinating and complement fixing antibody titres and respective IgG and IgM levels, IgD levels not different between patients and controls, elevated IgE in 77%, persistent hyperglobulinemia in post-operative follow-ups

Immunity, Agglutination
Matossian-Rogers, A.; Lumsden, W. H. R.; and Dumonde, D. C., 1976, Immunology, v. 31 (1), 1-19
Leishmania enriettii, L. tropica major, L. aethiopica, L. mexicana amazonensis, numerical immunotaxonomy, differentiation according to reactivity and cross-reactivity in tests of parasite agglutination, indirect immunofluorescence, and passive cutaneous anaphylaxis

Immunity, Agglutination
de la Maza, D.; Biel de la M., F.; and Contreras, M., 1976, Bol. Chileno Parasitol., v. 31 (3-4), 56-61
Echinococcus granulosus, humans, hemagglutination test using formalinized red blood cells recommended as sensitive useful diagnostic and epidemiologic tool

Immunity, Agglutination
Michael, S. A.; and Saleh, S. M., 1977, Trop. Animal Health and Prod., v. 9 (4), 241-244
Dipetalonema evansi, camels, slide agglutination test for diagnosis, high number of positives from D. evansi infections, no positives in camels infected with Trypanosoma evansi

Immunity, Agglutination
Miller, L. H.; Powers, K. G.; and Shiroishi, T., 1977, Exper. Parasitol., v. 41 (1), 105-111
Plasmodium knowlesi in rhesus monkeys, no correlation between functional immunity and results of 2 in vitro tests (schizont-infected cell agglutination test; suppression of merozoite invasion by immune serum)

Immunity, Agglutination
Mohr, W., 1976, Med. Klin., Berlin, v. 71, 1204-1209
human protozoal infections, value of immunoserologic techniques in diagnosis, comparison with results of direct blood examination and culture methods

Immunity, Agglutination
Moulton, J. E.; Coleman, J. L.; and Gee, M. K., 1975, Am. J. Vet. Research, v. 36 (4), 357-366
Trypanosoma equiperdum, pathogenesis in rabbits, lesions in skin, spleen, lymph nodes, and kidney, amyloid deposition, serum and tissue IgM and IgG, fluorescent antibody studies, agglutination test, depressed antibody response to ovine erythrocytes

Immunity, Agglutination
Mugera, G. M.; Bitakaramire, P. K.; and Munyua, W. K., 1973, Isotopes and Radiation Parasitol. III, 129-137
cattle, immunization against East Coast fever using Theileria parva-infected Rhipicephalus appendiculatus irradiated at graded doses, comparison of immunity produced by attachment of ticks vs. inoculation of tick tissue, circulating antibodies demonstrated by capillary agglutination test

Immunity, Agglutination
Murosaku, A., 1976, Nippon Zyuisi-Kai Zassi (J. Japan Vet. Med. Ass.), v. 29 (5), 263-267
Toxoplasma antibody survey, cats, indirect hemagglutination test, medication with 2-sulfamoyl-4,4'-diaminodiphenylsulfone, no negative reactions changed to positive, no increase in antibody titer in positive cats

Immunity, Agglutination
Nakabayashi, T.; et al., 1969, Nettai Igaku (Trop. Med.), v. 11 (1), 16-26
detection in pigs suspected to be infected with Toxoplasma gondii using hemagglutination test with the mouse inoculation method or fluorescent antibody test

Immunity, Agglutination
Nemeth, I., 1972, Parasitol. Hungar., v. 5, 99-134
Cysticercus pisiformis in rabbits (exper.), identification of hemagglutinating and precipitating antibodies in both primary and secondary infections, associations with IgM and IgG immunoglobulin classes

Immunity, Agglutination
Nemeth, I., 1972, Parasitol. Hungar., v. 5, 135-157
Cysticercus pisiformis in rabbits (exper.), isolation of specific antibodies belonging to IgG and IgM classes as shown by agar gel diffusion precipitation and indirect hemagglutination tests

Immunity, Agglutination
Neppert, J.; and Warns, C.-M., 1974, Tropenmed. u. Parasitol., v. 25 (4), 492-497
sera from Liberians with various helminthic infections, cross reactions with antigens from Ascaris, hookworm, Onchocerca, Dirofilaria immitis, closed hexagon immunodiffusion, complement fixation reaction, indirect haemagglutination

Immunity, Agglutination
Niel, G.; et al., 1974, Medecine et Malad. Infect., v. 4 (5), 231-235
Entamoeba histolytica, immunoelectrodiffusion in diagnosis of human infection, comparison with immunoelectrophoresis, immunofluorescence and latex agglutination test

Immunity, Agglutination
Norman, L.; and Kagan, I. G., 1975, Bol. Chileno Parasitol., v. 30 (3-4), 58-64
Trichinella spiralis, rabbit and human serum, evaluation of crude and fractionated antigens and comparison of effectiveness of serologic tests for diagnosis

Immunity, Agglutination
Oelerich, S., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (3), 296-304
Leishmania spp., Trypanosoma cruzi, Crithidia sp., Mycobacterium smegmatis, antigenic analyses and cross reactions, double gel-diffusion, complement-fixation, indirect hemagglutination

Immunity, Agglutination
Oelerich, S.; et al., 1975, Tropenmed. und Parasitol., v. 26 (4), 431-434
diagnosis of human schistosomiasis, serum and blood samples dried on filter paper discs and normal sera collected from infected and control persons, reactions to indirect hemagglutination test higher using cercarial antigens than if using adult Schistosoma mansoni, and serum antibody response in dried blood specimens remained sensitive only if stored at low temperatures

Immunity, Agglutination
Oelerich, S.; and Nwokolo, C., 1974, Tropenmed. u. Parasitol., v. 25 (2), 137-146
Paragonimus uterobilateralis, sera from 27 patients, complement fixation, indirect hemagglutination, double gel diffusion, reactions with homologous antigen and cross-reactions with other helminth antigens, disc-electrophoretic analysis of P. uterobilateralis antigen: Nigeria

Immunity, Agglutination
Oelerich, S.; Umaly, R. C.; and Lederer, I., 1974, Tropenmed. u. Parasitol., v. 25 (3), 318-326
Schistosoma mansoni, different developmental stages, S. japonicum, Fasciola hepatica, Ascaris suum, cross reactions in double gel diffusion, Cerkarienhullenreaktion, complement fixation, indirect immunofluorescence, indirect haemagglutination, mice, rabbits

Immunity, Agglutination
Oelerich, S.; and Volkmer, K. J., 1976, Tropenmed. u. Parasitol., v. 27 (1), 44-49
Paragonimus uterobilateralis, Paragonimus africanus, use of passive hemagglutination test in diagnosis, evaluation of treatment measures, and in seroepidemiologic surveys, demonstration of common antigens, comparative studies of immunoglobulin levels and complement fixation not useful

Immunity, Agglutination
Ostmann, H.; Oelerich, S.; and Lederer, I., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (1), 72-80
Trypanosoma cruzi, antigenic analysis, titers obtained with complement-fixation and indirect hemagglutination tests using hyperimmune sera from rabbits and guinea pigs; antibodies in mice demonstrable earlier and longer by complement fixation than by indirect hemagglutination and double-gel diffusion; for 33 Chagas' disease patients indirect hemagglutination was slightly more sensitive than complement-fixation, serum IgM levels not raised

Immunity, Agglutination
Ottesen, E. A.; Smith, T. K.; and Kirkpatrick, C. H., 1975, Internat. Arch. Allergy and Applied Immunol., v. 49 (3), 396-410
Trichinella spiralis, mice, chronic infection, cellular immune responsiveness, sequential development of antigen-reactive cells in various lymphoid cell populations, antibody responses (haemagglutination titers, homocytotropic antibody)

Immunity, Agglutination
Papua N. Guinea Med. J., v. 17 (1), 1974, 1-115
multiple articles focusing on human malaria in Papua New Guinea (epidemiology, public health, control programs, vectors, diagnosis, toxicity of antimalarials, statistics of surveys)

Immunity, Agglutination
Paris, J.; Wilson, A. J.; and Gray, A. R., 1976, Ann. Trop. Med. and Parasitol., v. 70 (1), 45-51
Trypanosoma brucei, 11 stabilates (prepared from isolates collected from cattle and tsetse flies in three areas of East Africa), serologic comparison of predominant variant antigens by direct agglutination tests, more sensitive in detection of antigenic relationships than comparisons founded on basic strain antigens

Immunity, Agglutination
Peloux, Y., 1974, Med. Lab., v. 27 (7), 169-175
toxoplasmosis, human, diagnosis by direct agglutination

Immunity, Agglutination
Phillips, T. M.; and Draper, C. C., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 7 [Demonstration]
Schistosoma mansoni, attempts to perfect serologic tests for epidemiologic study and assessment of control projects, use of purified egg antigen for indirect hemagglutination test

Immunity, Agglutination
Pinilla, N.; et al., 1976, Bol. Chileno Parasitol., v. 31 (3-4), 68-70
human echinococcosis, seroepidemiologic prevalence survey using latex agglutination test with confirmation of results by immunoelectrophoresis: Cabrero, Departamento de Yumbel, Concepcion, Chile

Immunity, Agglutination
Pinon, J. M.; and Gentilini, M., 1973, Nouv. Presse Med., v. 2 (19), 1283-1287
human filariasis, application of cellular immunologic tests (rosette formation, macrophage migration) in diagnosis and comparison with serologic tests (fluorescent antibody, passive hemagglutination, gel diffusion)

Immunity, Agglutination
Poulain, J.; et al., 1977, Ann. Immunol., v. 128C (1-2), 245-247
Nippostrongylus brasiliensis, rats, synthesis of hemagglutinating antibodies in intestinal secretions, detected before serum antibodies, possible role of local antibodies in mechanism of worm expulsion

Immunity, Agglutination
Poulain, J.; Luffau, G.; and Pery, P., 1975, Compt. Rend. Acad. Sc., Paris, v. 281, s. D, Sc. Nat. (23), 1933-1934
Nippostrongylus brasiliensis infected rats, formation of hemagglutinating antibodies in serum and intestinal secretions; local antibodies, new immune mechanism

Immunity, Agglutination
Poulain, J.; Luffau, G.; and Pery, P., 1976, Ann. Immunol., v. 127C (2), 215-224
Nippostrongylus brasiliensis, rats, kinetics of haemagglutinin production in serum vs. intestinal secretions, antibody response to low doses of infecting larvae, nature of immunoglobulin classes involved

Immunity, Agglutination
Pozzuoli, R.; et al., 1975, J. Immunol., v. 115 (5), 1459-1463
Echinococcus granulosus, isolation of the most immunoreactive antigens from sheep hydatid fluid, evaluation in immunoelectrophoresis, counter immunoelectrophoresis, and passive haemagglutination, latter must be considered test of choice in serologic diagnosis

Immunity, Agglutination
Preston, J. M.; and Duffus, W.P.H., 1975, J. Helminth., v. 49 (1), 9-17
Schistosoma bovis, cattle, diagnosis, development and standardization of indirect haemagglutination test, lack of cross-reactions with cattle infected with other helminths

Immunity, Agglutination
Quilici, M.; Assadourian, Y.; and Ranque, P., 1971, Medecine Trop., v. 31 (2), 207-213
immunological diagnosis and post-treatment evaluation of human echinococcosis, comparison of sero-immunological tests

Immunity, Agglutination
Rao, B. V.; and Mittal, K. R., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 476-480
hydatidosis in Bubalus bubalis, failure to detect antibodies with indirect hemagglutination, scolexo-precipitation, or gel diffusion tests

Immunity, Agglutination
Rao, B. V.; and Mittal, K. R., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 481-486
buffalo hydatid cyst fluid, antigenicity studied in rabbits, lambs, buffalo, and zebu calves with indirect hemagglutination, scolexo-precipitation, and gel diffusion tests, compared with other antigen preparations

Immunity, Agglutination
Rao, V. G.; and Padma, M. C., 1975, Indian J. Exper. Biol., v. 13 (2), 168-171
Entamoeba histolytica, rats on low protein, low vitamin diet, increased susceptibility, poor immune response as shown by haemagglutination test

Immunity, Agglutination
Ravi, V. V.; et al., 1975, Indian J. Med. Research, v. 63 (12), 1732-1736
titers of indirect hemagglutination test and complement levels compared using sera and abscess pus from patients infected with hepatic amoebic abscesses, sero-negative and sero-positive cases investigated for possible differences in immune responses

Immunity, Agglutination
Rifaat, M. A.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 118-120
Toxoplasma gondii, immunoserological survey for toxoplasmosis conducted by randomly sampling the populations of governorates in Egypt

Immunity, Agglutination
Ristic, M.; and Nyindo, M. B. A., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 66-70
Anaplasma marginale, cows inoculated with attenuated vaccine, humoral (complement fixing and agglutinating antibodies) and cell-mediated (macrophage migration inhibition test) immune responses, results demonstrate correlation between cell-mediated immunity and protection

Immunity, Agglutination
Rushton, B., 1976, Research Vet. Sc., v. 21 (2), 242-243
Fasciola hepatica, sheep, increase of complement fixation (CF) and passive haemagglutinating (PH) auto-antibody titres after primary and challenge infections, apparent organ and species specific PH antigen in sheep liver mitochondria, CF auto-antibodies neither organ nor species specific

Immunity, Agglutination
Sagua, H.; et al., 1972, Bol. Chileno Parasitol., v. 27 (1-2), 58-60
eosinophilia, intradermal, ring precipitation and bentonite flocculation tests, comparison of results in persons at time of Trichinella spiralis infection and 8 1/2 years after infection

Immunity, Agglutination
Sakurai, Y.; et al., 1976, Nippon Zyuisi-Kai Zassi (J. Japan Vet. Med. Ass.), v. 29 (6), 316-319
Toxoplasma gondii, survey on hemagglutination antibody in cats, breed or sex not significant in rate of positive reaction; high positive rate in cats from vicinity of piggery or slaughterhouse: Tohoku district

Immunity, Agglutination
de Savigny, D. H.; and Tizard, I. R., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (6), 501-507
Toxocara larva migrans, larval excretions and secretions from in vitro cultures used as antigen in passive hemagglutination and fluorescent antibody tests to diagnose visceral larva migrans in man and laboratory animals (exper.), preliminary evaluation for serodiagnostic purposes, no cross reactions with Ascaris suum infections

Immunity, Agglutination
Sawada, T.; Takei, K.; and Chun, S.-K., 1976, Japan. J. Exper. Med., v. 46 (6), 337-342
Clonorchis sinensis, purification of antigens for hemagglutination test

Immunity, Agglutination
Schenone, H.; et al., 1969, Bol. Chileno Parasitol., v. 24 (3-4), 118-121
Trichinella spiralis, human, skin test and bentonite flocculation test, surveys show progressive decline in infection: Santiago, Chile

Immunity, Agglutination
Schenone, H.; et al., 1976, Bol. Chileno Parasitol., v. 31 (3-4), 62-67
echinococcosis, comparison of sensitivity and specificity of the hemagglutination and Casoni skin tests in trials using known infected persons and controls, both tests reasonably useful

Immunity, Agglutination
Schinski, V. D.; Clutter, W. C.; and Murrell, K. D., 1976, Am. J. Trop. Med. and Hyg., v. 25 (6), 824-831
Schistosoma mansoni, S. haematobium, human, immunodiagnosis, enzyme-linked immunosorbent assay and radioimmunoassay compared with indirect hemagglutination and indirect fluorescent antibody techniques

Immunity, Agglutination
Schottelius, J., 1977, Tropenmed. u. Parasitol., v. 28 (2), 202-204
latex Chagas test performed on sera of Bartonella bacilliformis-infected humans, Haemobartonella muris-infected rats, and Eperythrozoon coccoides-infected mice, positive reaction observed only with rat sera, nature of this cross-reaction has not been clarified

Immunity, Agglutination
Seamon, P. J.; et al., 1977, Vet. Rec., v. 101 (16), 324-325
Toxoplasma cysts, mice (exper.), latex agglutination test as a rapid diagnostic method, application to diagnosis of ovine abortion

Immunity, Agglutination
Senet, J. M.; and Robert, R., 1974, Medecine et Malad. Infect., v. 4 (1), 21-22
Toxoplasma gondii, use of direct and indirect hemagglutination and immunofluorescence in seroimmunologic diagnosis, comparison with Sabin-Feldman dye test

Immunity, Agglutination
Senet, J. M.; Robert, R.; and Mauras, G., 1976, Biomedicine, v. 25 (5), 191-194
preparation ultrasonically and comparison of soluble endogenous, insoluble particular, and total mixed antigens used in indirect hemagglutination test to diagnose toxoplasmosis

Immunity, Agglutination
Senet, J. M.; Robert, R.; and Mauras, G., 1976, Biomedicine, v. 25 (6), 212-214
diagnosis of toxoplasmosis using indirect agglutination for early detection of antibodies, comparison with indirect immunofluorescence

Immunity, Agglutination
Sheahan, B. J., 1975, J. Comp. Path., v. 85 (1), 87-95
Sarcoptes scabiei, pigs, natural vs. experimental infections, histological and histochemical alterations in ear lesions, raised serum protein levels not accompanied by increases in passive haemagglutination titres

Immunity, Agglutination
Shukla, D. C.; and Victor, D. A., 1976, Indian Vet. J., v. 53 (11), 852-854
sarcosporidiosis, bovines, diagnosis, complement fixation effective, agglutination and gel diffusion were of no value

Immunity, Agglutination
Sinski, E.; and Holmes, P. H., 1977, Exper. Parasitol., v. 43 (2), 382-389
Nippostrongylus brasiliensis, rats, systemic and local antibody response, specific antiparasite binding capacity of IgA and IgG in intestinal mucosa and serum measured by radioimmunoassay, results compared with total levels of IgA and IgG and hemagglutinating and precipitating antibody titers, indirect evidence that local IgA may be part of effector mechanism

Immunity, Agglutination
Smith, H. V.; and Herbert, I. V., 1976, Immunology, v. 30 (2), 213-219
Hyostrongylus rubidus, passive transfer of humoral immunity from infected sows to their offspring via colostrum, demonstration that agglutinating antibodies mainly of the IgG class were associated with protection

Immunity, Agglutination
Smith, H. V.; and Herbert, I. V., 1976, Vet. Parasitol., v. 1 (4), 327-335
Hyostrongylus rubidus, pigs, primary infection, antibody response, time course and kinetics as shown by passive haemagglutination test

Immunity, Agglutination
Smith, H. V.; Herbert, I. V.; and Davis, A. J., 1976, Vet. Parasitol., v. 1 (4), 337-344
Hyostrongylus rubidus, pigs, multiple infections and reinfections, antibody response, passive haemagglutination test

Immunity, Agglutination
Soltys, M. A.; and Woo, P. T. K., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (2), 143-145
Trypanosoma gambiense, human, diagnosis, indirect charcoal-agglutination test, promising results

Immunity, Agglutination
Souza, M. do C.; et al., 1974, J. Protozool., v. 21 (4), 579-584
living culture forms of Leptomonas pessoai cross-protected mice against Trypanosoma cruzi challenge infection, circulating antibodies detected in immunized mice by immunodiffusion, passive haemagglutination, complement fixation, and antibody binding assay which cross-reacted with T. cruzi extracts, cellular immune response indicated by leucocyte migration inhibition

Immunity, Agglutination
Spencer, H. C., jr.; et al., 1976, Am. J. Epidemiol., v. 104 (1), 93-99
Entamoeba histolytica, human, endemic area, parasitologic, serologic, and epidemiologic studies, association of infection with crowding and poor sanitation, probable unimportance of water as mode of transmission in this setting, and usefulness of indirect hemagglutination test as an epidemiologic tool: Arkansas

Immunity, Agglutination
Stamm, W. P.; Ashley, M. J.; and Bell, K., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 49-53
low endemicity area of human amoebiasis, assessment of indirect haemagglutination, latex agglutination, indirect fluorescent antibody test and gel diffusion precipitin test for diagnostic serology

Immunity, Agglutination
Stamm, W. P.; Ashley, M. J.; and Parelkar, S. N., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 211-213
amoebiasis, human, diagnosis, commercially available latex agglutination test marketed in kit form as Serameba, compared with gel diffusion precipitin, fluorescent antibody, and indirect haemagglutination tests

Immunity, Agglutination
Stevens, A. R.; et al., 1977, J. Protozool., v. 24 (2), 316-324
Acanthamoeba castellanii, A. culbertsoni, isolation and purity of plasma membrane antigens (electron microscopy, assays of marker enzymes), antisera raised against these antigens tested against homologous and heterologous Acanthamoeba spp. in agglutination and immunofluorescence tests, results strongly indicate value of plasma membrane antisera for immunotaxonomy and immunodiagnosis of Acanthamoeba

Immunity, Agglutination
de Storni, P. D.; de Bolsi, F. L.; and Yanovsky, J. F., 1975, Medicina, Buenos Aires, v. 35 (1), 67-72
direct agglutination test in diagnosis of human Trypanosoma cruzi, evaluation of systematic use of 2-mercaptoethanol to eliminate nonspecific agglutinins

Immunity, Agglutination
Stromberg, B. E.; and Soulsby, E. J. L., 1976, Vet. Parasitol., v. 2 (2), 197-208
Ascaris suum, guinea pigs, capacity of various worm developmental stages to induce protective immune response using various routes of inoculation, antibody titer as assessed by indirect hemagglutination was not correlated with degree of protection

Immunity, Agglutination
Surjan, L.; and Stverteczky, Z., 1971, Parasitol. Hungar., v. 4, 11-22
human echinococcosis, indirect hemagglutination test more specific and more sensitive in comparison tests with complement fixation, human cyst fluid recommended for use in testing human serum rather than swine cyst fluid

Immunity, Agglutination
Suzuki, N.; et al., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 35-40
Toxoplasma gondii, mice and rats (exper.), blood changes; rats (exper.), antibody titers by dye test and indirect immunofluorescence, erythrocytes showed positive Coombs' reaction suggesting presence of auto-immune acquired hemolytic process

Immunity, Agglutination
Szarfman, A.; et al., 1975, Medicina, Buenos Aires, v. 35 (3), 245-250
specific agglutinins and immunoglobulin levels in congenital Chagas infections

Immunity, Agglutination
Szarfman, A.; et al., 1977, J. Parasitol., v. 63 (1), 149
Trypanosoma cruzi, patients with acute Chagas disease, EVI antibodies, specific agglutinins, and IFA antibodies

Immunity, Agglutination
Tailliez, R.; Biguet, J.; and Doby, J.-M., 1976, Rev. Med. Vet., Toulouse, v. 127 (4), 653-656, 659-662, 665-668
bovine cysticercosis diagnosis assays, passive micro-hemagglutination test using Taenia saginata, Cysticercus bovis, Fasciola hepatica and Moniezia expansa extracts and various coupling agents plus serum from infected cattle, poor results, false positives

Immunity, Agglutination
Takahashi, J.; and Sato, K., 1976, Japan. J. Exper. Med., v. 46 (1), 7-13
fractionation and purification of Dirofilaria immitis antigens by column chromatography and disc electrophoresis, evaluation for use in diagnosis of human Wuchereria bancrofti by hemagglutination test

Immunity, Agglutination
Takayanagi, T.; Kambara, H.; and Enriquez, G. L., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (1), 27-31
Trypanosoma gambiense, O type maintained in rats, isolation and purification of agglutination antigen

Immunity, Agglutination
Takayanagi, T.; and Nakatake, Y., 1976, Exper. Parasitol., v. 39 (2), 234-243
Trypanosoma gambiense, mice, immunologic responses to infection in thymectomized lethally-irradiated recipients of passively transferred thymic cells sensitized with parasitic antigens in vivo, enhanced agglutinin production and protection and phagocytosis

Immunity, Agglutination
Takayanagi, T.; Nakatake, Y.; and Kato, H., 1977, Exper. Parasitol., v. 43 (1), 196-202
Trypanosoma gambiense, agglutination and binding of trypanomastigotes to macrophages in terms of different antigen-antibody ratios

Immunity, Agglutination
Thomaidis, T.; et al., 1977, Arch. Dis. Childhood, v. 52 (5), 403-407
Toxoplasma gondii, survey of relationship between toxoplasmosis and chronic lymphadenopathy in children, need for inclusion in differential diagnosis of lymphoglandular enlargement: Greece

Immunity, Agglutination
Timoney, J. F., 1976, Irish Vet. J., v. 30 (3), 41-42
Toxoplasma gondii, healthy dogs in animal shelter, incidence as shown by positive indirect hemagglutination test: Dublin

Immunity, Agglutination
Thompson, K. C.; Todorovic, R. A.; and Hidalgo, R. J., 1977, Research Vet. Sc., v. 23 (1), 51-54
Babesia bigemina, antigenic variation in 4 stabilates propagated as acute and chronic blood-borne and tick-borne infections of Colombian cattle, characterization by means of complement fixation, gel diffusion, agar gel electrophoresis, and indirect haemagglutination tests

Immunity, Agglutination
Todorov, T.; et al., 1976, Bull. World Health Organ., v. 53 (4), 407-415
human echinococcosis, persistence of antibodies after surgical treatment, use in evaluation of surgical results and prognosis

Immunity, Agglutination
Todorovic, R. A.; Long, R. F.; and McCallon, B. R., 1977, Vet. Microbiol., v. 2 (2), 167-177
Anaplasma marginale, calves, complement fixation and rapid card agglutination tests compared, results indicated that under field conditions rapid card agglutination test was a simpler and more reliable diagnostic test: north coast of Colombia

Immunity, Agglutination
Torisu, M.; et al., 1975, Clin. Immunol. and Immunopathol., v. 4 (4), 467-477
Ascaris lumbricoides, patients with worm migration into biliary tree, skin tests, complement fixation, hemagglutination tests, immunoglobulin levels, pre- and post-surgical results, significant preoperative rise in IgE appears to be dependent on Ascaris infection, purified Ascaris antigen has high chemotactic effect on eosinophils

Immunity, Agglutination
Tribouley, J.; et al., 1976, Bull. World Health Organ., v. 54 (6), 695-702
Schistosoma mansoni in humans, passive hemagglutination test of high specificity and sensitivity in comparison trials with complement fixation test, useful in epidemiologic surveys

Immunity, Agglutination
Tribouley, J.; Tribouley-Duret, J.; and Tlemsani, A., 1974, Medecine et Malad. Infect., v. 4 (1), 43-50
passive hemagglutination test technique for diagnosis of human echinococcosis, suitable for epidemiologic tool, favorable comparison with complement fixation test

Immunity, Agglutination
Tribouley-Duret, J.; et al., 1976, Compt. Rend. Soc. Biol., Paris, v. 170 (2), 349-352
Toxocara canis, mice, rabbits, detection of antibodies using antigen prepared from adult worm rather than larva, precipitation, complement fixation, hemagglutination, results show such antigen should be suitable for diagnosis of visceral larva migrans

Immunity, Agglutination
Tribouley-Duret, J.; Tribouley, J.; and Pautrizel, R., 1977, Pharmacien Biol. (109), v. 11, 293-297
value of indirect hemagglutination test in diagnosing both protozoan and helminthic human infections

Immunity, Agglutination
Umaly, R. C.; Oelerich, S.; and Haas, J., 1974, Tropenmed. u. Parasitol., v. 25 (4), 413-421
various schistosome antigens tested against sera from parasitologically proven human cases of Schistosoma mansoni and S. haematobium, Cercarienhullenreaktion, indirect fluorescent antibody test, complement fixation test, indirect haemagglutination test

Immunity, Agglutination
Umaly, R. C.; Oelerich, S.; and Haas, J., 1974, Tropenmed. u. Parasitol., v. 25 (4), 422-432
Schistosoma haematobium, human, with and without other helminthic infections, serodiagnosis, various schistosome antigens plus Ascaris suum and Fasciola hepatica tested in Cercarienhullenreaktion, indirect immunofluorescence, indirect haemagglutination, complement fixation, and double gel diffusion tests, evaluation of sensitivity and specificity, attempt to correlate results of serologic tests with some clinical symptoms and with influence of chemotherapy

Immunity, Agglutination
Undeen, A. H.; and Alger, N. E., 1977, Science Biol. J., v. 3 (1), 259-262
Nosema algerae in white mice (exper.), antibody detected by indirect fluorescent antibody test and by slide spore agglutination test, possible usefulness in safety evaluation phase of prospective microsporida biological control agents to determine mammalian exposure

Immunity, Agglutination
Van Tiggele, L. J.; and Over, H. J., 1976, Vet. Parasitol., v. 1 (3), 239-248
Fasciola hepatica, sheep (nat. and exper.), cattle (exper.), serological diagnosis, comparison of indirect haemagglutination, counter-immunoelectrophoresis, and double immunodiffusion

Immunity, Agglutination
Varela-Diaz, V. M.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (4), 617-622
latex agglutination test is technique of choice for field surveys and seroepidemiologic studies of human Echinococcus granulosus, comparative evaluation of indirect agglutination test, immunoelectrophoresis and Casoni skin test

Immunity, Agglutination
Varma, T. K.; Kulshreshtha, S. B.; and Rao, B. V., 1974, Riv. Parassitol., Roma, v. 35 (2), 103-111
Cysticercus tenuicollis, sheep, goats, diagnosis, indirect haemagglutination test, whole cyst antigen gave better results than scolex or cyst fluid antigen; also used to detect serum antibody titres in lambs exper. infected with normal or irradiated oncospheres of Taenia hydatigena

Immunity, Agglutination
Vaughn, H. W.; Renshaw, H. W.; and Frank, F. W., 1976, Am. J. Vet. Research, v. 37 (5), 615-617
Anaplasma marginale, detection in elk, serum card test and complement-fixation test gave incomplete and false-positive reactions, plasma card test gave no reactions, results indicate bovine serologic tests for anaplasmosis may be inadequate with elk serum: Clearwater National Forest, Idaho

Immunity, Agglutination
Verma, B. B.; and Gautam, O. P., 1977, Indian Vet. J., v. 54 (10), 809-813
Trypanosoma evansi, buffaloes, calves (both exper.), diagnosis, comparison of passive haemagglutination, gel diffusion and indirect fluorescent antibody tests

Immunity, Agglutination
Vilches, A. M.; et al., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (3), 279-284
Trypanosoma cruzi, mice, effect of heterologous anti-thymocyte serum upon course of infection, shorter survival time and higher parasitemia, no change in agglutination antibody titers, impaired resistance probably in detrimental effect of ATS upon cell-mediated immunity

Immunity, Agglutination
Vinayak, V. K.; et al., 1976, Indian J. Med. Research, v. 64 (5), 661-667
value of immunoelectrophoresis in immunodiagnosis of human hepatic and intestinal Entamoeba histolytica, comparison with indirect agglutination and gel diffusion methods

Immunity, Agglutination
Weiss, N.; and Degremont, A., 1976, Tropenmed. u. Parasitol., v. 27 (3), 377-384
filariasis in persons returning from endemic areas, comparison immunoserologic diagnostic tests (immunoelectrophoresis, indirect fluorescent antibody, indirect hemagglutination, two-dimensional gel diffusion tests) showed that highest sensitivity obtained with immunoelectrophoresis, combined tests gave best results

Immunity, Agglutination
Wilkins, H. A.; and Capron, A., 1977, Ann. Trop. Med. and Parasitol., v. 71 (2), 186-195
Schistosoma haematobium in Gambian community, relation of antibody levels to age (indirect fluorescent antibody and indirect haemagglutination tests), seasonal changes in antibody level, relation of antibody to subsequent changes in egg output, results suggest that serologic parameters may have some relationship to protective immunity and immune response should be considered as factor in epidemiologic studies

Immunity, Agglutination
Williams, J. F.; and Oriol, R., 1976, J. Parasitol., v. 62 (4), 563-568
Echinococcus granulosus, comparative susceptibility of Meriones unguiculatus (most) vs. albino mice (less) vs. golden hamsters (refractory) to infection with protoscolices, indirect haemagglutination titres in M. unguiculatus, failure of M. unguiculatus to develop immediate hypersensitivity responses represents marked deviation from pattern of immune response in echinococcosis in man and domestic animals and must be considered in use of jirds as model host

Immunity, Agglutination
Williams, J. F.; Perez Esandi, M. V.; and Oriol, R., 1971, Am. J. Trop. Med. and Hyg., v. 20 (4), 575-579
evaluation of purified lipoprotein antigens of Echinococcus granulosus in the immunodiagnosis of human infection using hemagglutination, immunoelectrophoresis and skin tests

Immunity, Agglutination
Yoshimura, K.; et al., 1976, Japan. J. Vet. Sc., v. 38 (6), 579-593
Angiostrongylus cantonensis, guinea pigs, rats, evolution of cellular (macrophage migration inhibitory factor; delayed-type skin reactivity) and humoral (hemagglutinating and precipitating antibodies) immune responses

Immunity, Agglutination
Yoshimura, K.; and Soulsby, E. J. L., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 99-107
Angiostrongylus cantonensis, rats, lymphoid cell responsiveness, antibody production (reaginic and haemagglutinating)

Immunity, Agglutination
Yoshimura, K.; and Yamagishi, T., 1976, Japan. J. Vet. Sc., Tokyo, v. 38 (1), 33-40
Angiostrongylus cantonensis, rabbits and rats, productions of reaginic and indirect hemagglutinating antibodies, reinfections, course of infection

Immunity, Agglutination
Zahalsky, A. C.; and Weinberg, R. L., 1976, J. Parasitol., v. 62 (1), 15-19
Trypanosoma brucei, inbred rats, humoral response to monomorphic strain during infection, during Berenil cure, after cure, and after rechallenge following drug-induced immunity; contribution of Berenil prophylaxis during refractory period, presence or absence of trypanosome-agglutinating antibodies, class of protective antibodies formed

Immunity, Agglutination
Zawadzka-Jedrzejewska, B.; Gancarz, Z.; and Plonka, W., 1971, Med. Dosw. i Mikrobiol., v. 23 (3), 271-279
Fasciola hepatica, beef cattle, comparative evaluation of passive agglutination, complement fixation and ring precipitation test for diagnosis

Immunity, Agglutination
Zuckerman, A., 1977, Exper. Parasitol., v. 42 (2), 374-446
Plasmodium, immunology, extensive review: immunodiagnosis and seroepidemiology; immunopathology; antigenic analysis; host responses; immunoglobulins; cell-mediated reactions

Immunity, Allergy. [See also Immunity, Skin tests]

Immunity, Allergy
Aalberse, R. C.; Brummelhuis, H. G. J.; and Reerink-Brongers, E. E., 1973, Immunochemistry, v. 10 (5), 295-303
plasma from patients with Schistosoma mansoni and tropical eosinophilia probably due to a microfilaria infection, purification of polyclonal IgE by immunosorption

Immunity, Allergy
Al-Baldawi, F. A. K.; et al., 1976, Parasitology, v. 73 (2), xviii [Abstract]
Litomosoides carinii in protein-deficient cotton rats, immune response assessed by measuring IgG, IgM, and anaphylactic antibody level

Immunity, Allergy
Alger, N. E.; and Harant, J., 1976, Exper. Parasitol., v. 40 (2), 269-272
Plasmodium berghei, mice immunized by repeated ip injections of normal mosquito salivary glands or heads were protected from ip sporozoite challenge but not from iv sporozoite challenge, suggested that hypersensitive Type 1 reaction may explain part of this protection

Immunity, Allergy
Alger, N. E.; and Harant, J., 1976, Exper. Parasitol., v. 40 (2), 273-280
Plasmodium berghei, mice, concluded that hypersensitivity may possibly be at least partly responsible for protection by injections of 70 mosquito salivary glands but that sporozoite immunity is not primarily due to hypersensitivity

Immunity, Allergy
Allen, J. R.; Doube, B. M.; and Kemp, D. H., 1977, Canad. J. Comp. Med., v. 41 (1), 26-35
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Immunity, Allergy
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Immunity, Allergy
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Immunity, Allergy
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Immunity, Antigenic variation
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Immunity, Antigenic variation
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Immunity, Antigenic variation
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Immunity, Antigenic variation
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Immunity, Antigenic variation
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Immunity, Antigenic variation
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Immunity, Antigenic variation
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Immunity, Antigenic variation
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Immunity, Antigenic variation
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Immunity, Antigenic variation
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Immunity, Antigenic variation
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Immunity, Antigenic variation
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Immunity, Antigenic variation
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Immunity, Antigenic variation
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Immunity, Antigenic variation
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Immunity, Antigenic variation
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African trypanosomes, antigens and antigenic variability, review including some new work on antigens demonstrated in Trypanosoma brucei gambiense extracts that are antigenically identical to rat serum proteins

Immunity, Antigenic variation
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Immunity, Antigenic variation
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Immunity, Antigenic variation
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Immunity, Antigenic variation
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Immunity, Antigenic variation
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Immunity, Antigens. [See also Immunity, Antigenic variation]

Immunity, Antigens
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Immunity, Antigens
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Immunity, Antigens
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Ascaris suum allergen A, characterization

Immunity, Antigens
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Ascaris suum, allergen A, spectroscopic and fluorescence properties

Immunity, Antigens
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Nippostrongylus brasiliensis adults, extraction and characterization of allergenic component which bears striking resemblance in many general physicochemical properties to purified allergens of clinical importance which have been extracted from other animal and plant sources

Immunity, Antigens
Baker, J. R.; and Green, S. M., 1977, Ann. Trop. Med. and Parasitol., v. 71 (2), 141-145
Trypanosoma dionisii, presence of trypanosomal antigen on surfaces of mouse peritoneal macrophages cultivated in vitro in presence of parasite

Immunity, Antigens
Barratt, M. E. J., 1972, Immunology, v. 22 (4), 615-623
Metastrongylus spp., pigs, immediate hypersensitivity, partial characterization of allergens, suggested that cross reactions so commonly found when using nematode antigens in wheal and erythema reactions can be eliminated by suitable dilution of the allergen

Immunity, Antigens
Beaudoin, R. L.; et al., 1977, Exper. Parasitol., v. 42 (1), 1-5
Plasmodium berghei, mice, immunization against ANKA strain using unaltered sporozoite as antigen, suppressive doses of chloroquine throughout immunization period with curative courses of primaquine prior to challenge, all mice survived sporozoite challenge but succumbed to challenge with infected erythrocytes

Immunity, Antigens
Bedrnik, P.; and Jurkovic, P., 1977, J. Protozool., v. 24 (4), 48A-49A [Abstract]
Eimeria tenella, chickens, comparison of two different antigens for indirect immunofluorescent test

Immunity, Antigens
Boctor, F. N.; and Kamel, M. Y., 1976, Insect Biochem., v. 6 (3), 233-240
Dermacentor andersoni eggs, 2 lipovitellins, purification, characterization, immunological identity with female hemolymph proteins

Immunity, Antigens
Bogitsh, B. J.; and Carter, C. E., 1975, J. Parasitol., v. 61 (6), 1031-1040
Schistosoma mansoni, localization of soluble egg antigen in eggshell-enclosed miracidium, possible functions

Immunity, Antigens
Bogitsh, B. J.; and Katz, S. P., 1976, J. Parasitol., v. 62 (5), 709-714
Schistosoma mansoni cercariae and schistosomules, soluble cercarial antigens, localization using immunocytochemical techniques

Immunity, Antigens
Bordjoski, A.; et al., 1972, Acta Parasitol. Iugoslavica, v. 3 (2), 129-135
Sarcocystis tenella, improved method for preparation of antigen for indirect fluorescent antibody test

Immunity, Antigens
Boros, D. L.; Tomford, R.; and Warren, K. S., 1977, J. Immunol., v. 118 (1), 373-376
Schistosoma mansoni, induction of granulomatous and elicitation of cutaneous sensitivity by partially purified soluble egg antigens

Immunity, Antigens
Boroskova, Z.; and Benkova, M., 1974, Vet. Med., Praha, v. 47, v. 19 (5), 271-275
Ascaris suum larvae, somatic antigen with greater immunogenic properties and serologic activity than antigens from delipidized extract and fraction from mature stages

Immunity, Antigens
Boroskova, Z.; and Naumycheva, M. I., 1974, Biologia, Bratislava, s. B, Zool. (1), v. 29 (2), 133-137
Echinococcus granulosus, protein fraction of pig hydatid cyst fluid isolated by gel column filtration, antigenic activity 4 times higher than hydatid fluid

Immunity, Antigens
Bos, H. J.; and van de Griend, R. J., 1977, Nature, London (5592), v. 265, 341-343
Entamoeba histolytica, lowered pathogenicity after axenic culture, restoration of virulence with cholesterol and establishment of higher degree of virulence by two successive passages through hamster liver, after hamster passage differences were observed in agglutinability induced by concanavalin A, in vitro toxicity towards guinea pig leukocytes, and antigenic analysis

Immunity, Antigens
Bout, D.; et al., 1977, Ann. Immunol., v. 128C (3), 687-698
Schistosoma mansoni, Fasciola hepatica, Echinococcus granulosus, characterization of allergens by radioimmunoelectrophoresis

Immunity, Antigens
Bout, D.; et al., 1977, J. Immunol. Methods, v. 15 (1), 1-8
S[chistosoma] mansoni, schistosomicide drugs used as ligands to isolate target antigens by affinity chromatography, to characterize their enzyme functions and localization on the parasite, and to define their immunogenic capacity

Immunity, Antigens
Bout, D.; Santoro, F.; and Capron, A., 1975, Medecine et Malad. Infect., v. 5 (12), special no., 631-636
Schistosoma mansoni, identification of circulating immune complexes in infected human serum, characterization of specific antigen

Immunity, Antigens
Bray, R. S.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 125-129
Leishmania donovani, antigenic identity of parasites isolated from patients with kala-azar vs. those with post-kala-azar dermal leishmaniasis: West Bengal, India

Immunity, Antigens
Bridgen, P. J.; Cross, G. A. M.; and Bridgen, J., 1976, Nature, London (5578), v. 263, 613-614
Trypanosoma brucei, N-terminal amino acid sequences of variant-specific surface antigens

Immunity, Antigens
Brink, L. H.; McLaren, D. J.; and Smithers, S. R., 1977, Parasitology, v. 74 (1), 73-86
Schistosoma mansoni, artificially transformed schistosomula and schistosomula recovered after cercarial penetration of isolated skin, comparison of ultrastructure, development, antigenic nature, viability in vivo and in vitro, infectivity

Immunity, Antigens
Brink, L. H.; McLaren, D. J.; and Smithers, S. R., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 293 [Demonstration]
Schistosoma mansoni, antigenicity, ultrastructural morphology, development of surface membranes, growth in vitro and infectivity compared in 3 types of artificially prepared schistosomula

Immunity, Antigens
Brown, A. P.; et al., 1977, J. Immunol., v. 119 (4), 1275-1278
Schistosoma mansoni, partial purification of egg antigens that elicit delayed hypersensitivity in appropriately sensitized guinea pigs

Immunity, Antigens
Bryceson, A. D. M.; et al., 1976, Clin. and Exper. Immunol., v. 24 (1), 168-176
Onchocerca volvulus, antigenic diversity among worms from one village in Nigeria, consistent differences in worm antigen patterns and antibody response with worms originating from forest vs. savanna zones of United Cameroon Republic, relevance of findings to pathology and prevention of onchocerciasis

Immunity, Antigens
Brzosko, W. J.; Dymowska, Z.; and Urbanek-Szufnara, K., 1970, Med. Dosw. i Mikrobiol., v. 22 (3), 277-281
Toxoplasma gondii, fine structure distribution of antigens

Immunity, Antigens
Brzosko, W. J.; and Gancarz, Z., 1970, Med. Dosw. i Mikrobiol., v. 22 (1), 91-94
Trichinella spiralis, electron microscopy of larval cuticular antigenic structure

Immunity, Antigens
Cabrera, E. J.; et al., 1976, Ztschr. Parasitenk., v. 50 (1), 31-42
Plasmodium knowlesi, monkeys immunized by antigen from infected erythrocytes, delayed dermal hypersensitivity response, protection against challenge infection; preliminary biochemical analysis of antigen

Immunity, Antigens
Capron, M.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (2), 248-253
Schistosoma mansoni, complement dependent cytotoxic antibodies, correlation with clinical forms of infection, levels of other specific anti-S. mansoni antibodies, delayed hypersensitivity and presence of urinary M antigen in host

Immunity, Antigens
Carlier, Y.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (6, pt. 1), 949-954
Schistosoma mansoni, human, thermostable parasitic urinary antigen demonstrated, relation with clinical, biological, and immunological parameters (including fecal egg count, host age, precipitating antibodies, IgE levels, 24-hr intradermal test)

Immunity, Antigens
Cerna, Z., 1975, J. Protozool., v. 22 (3), 60A [Abstract]
"Our preliminary experiments suggested that E[imeria] contorta isolated from rats and transmissible to mice may, evidently, be identical in its antigenic reaction to that of the mouse coccidians E. falciformis and E. falciformis var. pragensis"

Immunity, Antigens
Chang, K.-P., 1976, J. Protozool., v. 23 (2), 241-244
Blastocrithidia culicis, Crithidia oncopelti, symbiote-free strains: liver extract as essential growth factor in defined medium; cross-reactivity in reciprocal agglutination test with symbiote-containing strains indicates loss of symbiotes does not affect antigenic identity

Immunity, Antigens
Cherian, P. V.; and Dusanic, D. G., 1977, Exper. Parasitol., v. 43 (1), 128-142
Trypanosoma lewisi, bloodstream forms, surface antigens examined at ultrastructural level with direct and indirect ferritin-conjugated antibody techniques, formation of filopodia and evidence for their immunological reactivity

Immunity, Antigens
Chernin, J., 1977, J. Helminthol., v. 51 (3), 215-219
Taenia crassiceps in laboratory rats, antigen common to metacestode and host

Immunity, Antigens
Clinton, B. A.; Palczuk, N. C.; and Stauber, L. A., 1972, J. Immunol., v. 108 (6), 1570-1577
Leishmania donovani, promastigotes, partial characterization of some cytoplasmic antigens, delayed skin response to these fractions

Immunity, Antigens
Collins, R. F.; and Ivey, M. H., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 455-459
skin test responses in guinea pigs infected with small numbers of Toxocara canis or Ascaris suum and challenged intradermally with several adult and larval somatic antigenic preparations

Immunity, Antigens
Collins, R. F.; and Ivey, M. H., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 460-464
passive cutaneous anaphylaxis responses of sensitized guinea pigs to various antigens of adult and larval stages of Toxocara canis or Ascaris suum; homologous reactions; Ascaris larval antigen reacted with Toxocara antiserum

Immunity, Antigens
Collins, W. E.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 373-376
Plasmodium knowlesi in Macaca mulatta (exper.), attempted immunization using heat-stable serum-soluble antigens, protection incomplete but with fewer deaths and reduced maximum parasitemia than in nonimmunized or Freund's adjuvant-immunized monkeys

Immunity, Antigens
Cuperlovic, K., 1975, Acta Vet. Beograd, v. 25 (5), 219-227
Fasciola hepatica, uptake and incorporation of ^{75}Se-L-selenomethionine and ^{14}C-L-lysine into protein antigens

Immunity, Antigens
Dar, F. K.; Paris, J.; and Wilson, A. J., 1973, Ann. Trop. Med. and Parasitol., v. 67 (3), 319-329
Trypanosoma vivax, comparison of antigenic types isolated from wild tsetse flies in 2 geographically distinct areas of East Africa

Immunity, Antigens
De Carli, G. A.; and Guerrero, J., 1976, Rev. Latinoam. Microbiol., v. 18 (3), 167-171
Tritrichomonas suis and T. foetus, antigenic comparison by gel immunodiffusion; closely related antigenic structure found

Immunity, Antigens
Deelder, A. M., 1977, Trop. and Geogr. Med., v. 29 (2), 206 [Abstract]
Schistosoma mansoni, demonstration of circulating protein and polysaccharide antigens and antigen-antibody complexes in heavily infected hamsters (exper.)

Immunity, Antigens
Deelder, A. M.; et al., 1976, Exper. Parasitol., v. 40 (2), 189-197
Schistosoma mansoni, demonstration of two circulating antigens (probably both polysaccharides) in infected hamsters, both demonstrated in serum, adult worm extracts, and excretory-secretory products of adult worms, one also demonstrated in urine, 2 additional schistosome-derived antigens found in urine

Immunity, Antigens
Denev, I.; Komandarev, S.; and Mikhov, L., 1975, Vet. Med. Nauki, v. 12 (5), 19-26
Dictyocaulus filaria, comparative study of somatic and functional antigens, disk electrophoresis

Immunity, Antigens
Despommier, D. D.; and Mueller, M., 1976, J. Parasitol., v. 62 (5), 775-785
Trichinella spiralis, stichosome ultrastructure, stichocytes contain two major types of granules which contain antigens identical to those previously described from excretion-secretion products of mature muscle larvae

Immunity, Antigens
Diesfeld, H. J.; and Kirsten, C., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 435-438
filariasis, human, diagnosis, new embedding technique employing 'methacrylate' for preparation of antigen (Dipetalonema viteae) to be used in indirect fluorescent antibody test (tested on onchocerciasis sera from Togo), compared with usual frozen-section method

Immunity, Antigens
Dottorini, S., 1972, Parassitologia, v. 14 (1), 121-128
echinococcosis, ovine hydatid cyst fluid, investigation of antigens, fractions separated by gel-filtration chromatography, various bands of fractions further separated by immunoelectrophoresis; indirect hemoagglutination, complement fixation and determination of protein fractions

Immunity, Antigens
Dottorini, S.; and Tassi, C., 1977, Exper. Parasitol., v. 43 (2), 307-314
Echinococcus granulosus, characterization of main antigenic component ("arc 5") of hydatid fluid

Immunity, Antigens
Druilhe, P.; and Monjour, L., 1975, Compt. Rend. Soc. Biol., Paris, v. 169 (4), 1089-1095
human malaria, serodiagnosis, gel diffusion test using Plasmodium falciparum and P. berghei antigens prepared by different methods, compared with indirect immunofluoresence

Immunity, Antigens
Duffus, W.P.H.; Preston, J. M.; and Staak, C. H., 1975, J. Helminth., v. 49 (1), 1-7
Schistosoma bovis, fractionation of adult worm antigen, use in complement fixation, immuno-diffusion, indirect haemagglutination and indirect haemagglutination inhibition tests, cross-reactions using sera from Fasciola gigantica-infected cattle

Immunity, Antigens
Dwyer, D. M., 1974, J. Protozool., v. 21 (1), 139-145
Trichomonas gallinae, Histomonas meleagridis, Dientamoeba fragilis, Entamoeba invadens, E. histolytica, antigenic relationships analyzed by immunoelectrophoretic techniques

Immunity, Antigens
Dwyer, D. M., 1976, J. Immunol., v. 117 (6), 2081-2091
Leishmania donovani, effects of specific antibodies on surface membrane antigens of amastigotes and promastigotes detected using direct and indirect immunofluorescence methods, capping process

Immunity, Antigens
Dymowska, Z.; and Zielinska, E., 1975, Med. Dosw. i Mikrobiol., v. 27 (4), 411-415
Toxoplasma gondii, human, antigen for passive hemagglutination obtained by ultrasonic disintegration of cells highly specific for diagnosis, comparative trials

Immunity, Antigens
Dzbenski, T. H., 1974, Tropenmed. u. Parasitol., v. 25 (4), 485-491
Trypanosoma cruzi, demonstration and characterization of exoantigen in blood of infected animals

Immunity, Antigens
Eggitt, M. J., 1977, J. Protozool., v. 24 (4), 42A [Abstract]
synthesis of variable and common antigens in rabbit reticulocyte cell-free system directed by Trypanosoma brucei RNA

Immunity, Antigens
Ehrlich, I.; and Hrzenjak, T., 1975, Vet. Arhiv, Zagreb, v. 45 (5-6), 129-132
Ascaris lumbricoides, thin layer chromatography of polar lipids from tissue homogenates, identification; globosides as possible antigen components

Immunity, Antigens
El-On, J.; and Greenblatt, C. L., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 19 [Demonstration]
Trypanosoma lewisi, rats, increased susceptibility to infection when given cyclophosphamide (CyI-rats) as immuno-suppressive, possible role of exoantigens in development of anemia, precipitating antibodies to Trypanosoma lewisi in rabbits inoculated with plasma from CyI rats whether infected or not

Immunity, Antigens
El-On, J.; and Greenblatt, C. L., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 19-20 [Demonstration]
Trypanosoma lewisi, production of exoantigens during cultivation at 37°C, partial protection against infection in rats injected with concentrated culture supernatant fluid

Immunity, Antigens
El-On, J.; and Schnur, L. F., 1974, J. Protozool., v. 21 (3), 463-464 [Abstract]
Leishmania donovani, L. tropica, excreted antigens, purification and preliminary characterization

Immunity, Antigens
Enayat, M. S., 1976, Pahlavi Med. J., v. 7 (3), 352-364
Litomosoides carinii, 2 specific antigenic components differentiated using gel diffusion and immunoelectrophoresis

Immunity, Antigens
Felsenfeld, O.; and Wolf, R. H., 1973, Ann. Trop. Med. and Parasitol., v. 67 (3), 335-340
cross-reactions and interference between Trypanosoma brucei and Borrelia turicatae, antigenic analysis, fluorescent antibody, and immobilisine studies, prolonged survival of mice simultaneously infected with both

Immunity, Antigens
Ferrante, A.; and Jenkin, C. R., 1977, Austral. J. Exper. Biol. and Med. Sc., v. 55 (3), 275-280
Trypanosoma lewisi, dividing and adult forms share common antigens and persistence of adult forms in circulation of rats immune to reinfection not due to antigenic change but due to the presence of surface immunoglobulins

Immunity, Antigens
Ford, G. E., 1971, Immunology, v. 21 (6), 1073-1078
Trichostrongylus retortaeformis, heterogeneity of allergens and of homocytotropic antibody responses to them in rabbits

Immunity, Antigens
Fromentin, H.; and Wiart, J., 1975, Bull. Soc. Path. Exot., v. 68 (3), 306-312
2 specific antigenic fractions of Trypanosoma gambiense demonstrated by tannic acid hemagglutination when applied to experimentally infected rodent sera

Immunity, Antigens
Gam, A. A.; and Neva, F. A., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 47-57
Trypanosoma cruzi, serodiagnosis using various epimastigote antigens and comparison with results obtained with trypomastigote-amastigote antigen prepared from cell cultures, differences between antigens demonstrated by immunoprecipitation

Immunity, Antigens
Garabedian, G. A.; and Zekian-Arslanian, B., 1976, Ann. Trop. Med. and Parasitol., v. 70 (4), 435-437
hydatid fluid antigen, filtration through Seitz EK filter pads, unsuitable for use in Casoni skin tests or indirect haemagglutination tests, membrane filters more satisfactory

Immunity, Antigens
Ghose, A. C.; and Rowe, D. S., 1977, Immunochemistry, v. 14 (6), 459-465
Leishmania enriettii, subcellular fractionation, antigenic activity of fractions determined by micro-complement fixation, indirect radioimmunoassay, skin testing, and in vitro lymphocyte transformation, results indicate antigenic heterogeneity and suggest that major humoral and cell-mediated components of immune response in infected guinea-pigs are directed against different antigenic determinants of the parasite

Immunity, Antigens
Goedbloed, E.; et al., 1973, Ann. Trop. Med. and Parasitol., v. 67 (1), 31-43
Trypanosoma brucei subgroup, antigenic types of 38 strains isolated from more than 73,000 Glossina spp. from 4 geographically separate areas, intra- and inter-area and intra- and inter-strain comparisons, direct agglutination test used primarily: Uganda and Kenya, East Africa

Immunity, Antigens
Goldman, M.; and Bukovsky, E., 1973, J. Protozool., v. 20 (4), 531
Babesia bigemina, soluble antigen capable of reacting with antiserum in gel diffusion plates has been extracted from infected plasma, hemolysates of infected red blood cells, and from sonicated parasites

Immunity, Antigens
Goldman, M.; and Bukovsky, E., 1975, J. Protozool., v. 22 (2), 262-264
Babesia bigemina-infected bovine blood, extraction of soluble precipitating antigen, preliminary use in gel diffusion test with laboratory and field cattle

Immunity, Antigens
Goldring, O. L.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 144-148
Schistosoma mansoni, detection of mouse host antigens and parasite antigens on surface of schistosome using indirect fluorescent antibody technique, suggests that presence of host antigens obviates binding of anti-schistosome antibody in sufficient quantity or in correct pattern to cause surface damage of schistosome

Immunity, Antigens
Goldring, O. L.; Kusel, J. R.; and Smithers, S. R., 1977, Exper. Parasitol., v. 43 (1), 82-93
Schistosoma mansoni, origin in vitro of host-like blood group surface antigens, results show that such antigens are not synthesized by the parasite in glycolipid form and are not acquired from the host as glycoproteins

Immunity, Antigens
Gonzaga dos Santos, L.; Santos, D. S.; and Azevedo, R., 1976, Ann. Trop. Med. and Parasitol., v. 70 (2), 219-225
Wuchereria bancrofti, human, diagnosis, immunofluorescence using microfilariae treated with papain as antigen

Immunity, Antigens
Gonzalez Cappa, S. M.; et al., 1976, J. Parasitol., v. 62 (1), 130-131
Trypanosoma cruzi, stability of protective ability of homogenate prepared by compression-decompression procedure at different pressures, mice

Immunity, Antigens
Goodger, B. V., 1976, Internat. J. Parasitol., v. 6 (3), 213-216
Babesia argentina, crude soluble haemagglutination antigen contained fibrinogen, removal of fibrinogen removed most if not all antigenic activity, concluded that antigen was either babesial moiety complexed with fibrinogen or a fibrinogen molecule altered by parasite metabolic activity

Immunity, Antigens
Gottlieb, M., 1977, J. Immunol., v. 119 (2), 465-470
Trypanosoma cruzi, carbohydrate-containing antigen, detection in circulation of infected mice

Immunity, Antigens
Grove, D. I.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (2), 220-229
antigen abstract prepared from subperiodic Brugia malayi compared with Dirofilaria immitis antigen in diagnosis of human filariasis, concluded that antigens from microfilariae, adult worms, and 3rd-stage larvae of B. malayi are more sensitive than D. immitis antigens and do not have a significantly higher number of false positive reactions: Philippines

Immunity, Antigens
Guha, S.; and Sornmani, S., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 564 [Demonstration]
Schistosoma mansoni-infected Australorbis glabratus (exper.), precipitating patterns of component antigens from hemolymph

Immunity, Antigens
Gutman, G. A.; and Mitchell, G. F., 1977, Exper. Parasitol., v. 43 (1), 161-168
Ascaris suum, location of phosphorylcholine in lung larvae confined to internal membranous structures and lining of intestinal tract, outside of cuticle is negative, availability of phosphorylcholine-containing parasite antigens to host for immune induction may occur through intestinal excretions, damage to larvae, or at larval moulting stages

Immunity, Antigens
Hamburger, J.; Pelley, R. P.; and Warren, K. S., 1976, J. Immunol., v. 117 (5), pt. 1, 1561-1566
Schistosoma mansoni, three major egg antigens, determination of stage and species specificity by radioimmunoassay

Immunity, Antigens
Hamburger, J.; and Zuckerman, A., 1976, Exper. Parasitol., v. 39 (3), 460-478
Plasmodium berghei, soluble extract, fractionation by preparative disc electrophoresis, subsequent analytical disc electrophoresis, detection of precipitinogens by immunoelectrophoresis or by double immunodiffusion in agar gel, induction of precipitins in rabbits, physicochemical properties of soluble components, antigenic contaminants of host blood origin

Immunity, Antigens
Hamburger, J.; and Zuckerman, A., 1976, Exper. Parasitol., v. 39 (3), 479-495
Plasmodium berghei, soluble extract, separation into 12 fractions by preparative disc electrophoresis, employment of fractions to seek precipitins in hyperimmune rat serum and in the vaccination of rats

Immunity, Antigens
Harris, W. G., 1973, Immunology, v. 24 (3), 567-577
Schistosoma mansoni allergens, initial separation into 10 fractions, comparative assay by passive cutaneous anaphylaxis, by systemic sensitization with local challenge, and most successfully by a Prausnitz-Kustner type reaction

Immunity, Antigens
Harris, W. G., 1975, Immunology, v. 29 (5), 835-844
Schistosoma mansoni, allergens, further separation and characterization by Sephadex G-200 and ion-exchange chromatography, multicomponent nature of allergen-reagin axis in rat schistosomiasis, implications for use of purified antigens for field diagnosis of schistosomiasis

Immunity, Antigens
Harrison, L. J. S., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 275 [Demonstration]
gel filtration and ion exchange chromatography used to purify saline extract of Taenia saginata with resultant fractions used as antigen for serologic tests on cattle experimentally infected with Cysticercus bovis

Immunity, Antigens
Heath, D. D., 1976, Internat. J. Parasitol., v. 6 (1), 19-24
Taenia pisiformis larvae developing in vitro, period when protective antigens are elaborated, immunizing potential of nonliving antigens from in vitro culture for rabbits, exogenous antigens more protective than somatic, biochemical analysis of exogenous antigens

Immunity, Antigens
Hedge, E. C.; and Ridley, D. S., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 304-307
evaluation of microfilarial antigen for use with indirect immunofluorescent test in diagnosing human filariasis; best results obtained with sonicated microfilariae of Brugia pahangi with which both cytoplasmic and sheath antigens could be utilized simultaneously

Immunity, Antigens
Herbert, I. V.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 116 [Demonstration]
Taenia hydatigena, antigenic analysis of metacestode shows identifiable host components in cyst fluid

Immunity, Antigens
Higashi, G. I.; and Young, S. W., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 343 [Letter]
human schistosomes, antigenic relationships with salmonellae, possibly shared surface antigens aid symbiotic state

Immunity, Antigens
Hillyer, G. V., 1976, Fed. Proc., v. 35 (14), 2568-2571
Fasciola hepatica antigens used in protecting against Schistosoma mansoni challenge, common and/or cross-reacting antigens between S. mansoni, S. japonicum, and F. hepatica, possible role of eosinophil in acquired resistance

Immunity, Antigens
Hillyer, G. V., 1976, Am. J. Trop. Med. and Hyg., v. 25 (3), 432-436
Schistosoma japonicum, chimpanzees, presence of circulating antigens in serum between 6 and 9 weeks post-exposure with later clearance, these antigens cross-react with antiserum against S. mansoni, persistence of these antigens could result in observed renal damage

Immunity, Antigens
Hillyer, G. V.; and Santiago de Weil, N., 1977, J. Parasitol., v. 63 (3), 430-433
Fasciola hepatica, rats, partial purification of antigen for immunodiagnosis by counterelectrophoresis, improved specificity, compared with immunodiffusion

Immunity, Antigens
Honigberg, B. M.; et al., 1975, J. Protozool., v. 22 (3), 23A [Abstract]
Trypanosoma brucei, bloodstream, culture, midgut, and proventricular forms, antigenic analysis by quantitative fluorescent antibody method

Immunity, Antigens
Honigberg, B. M.; et al., 1975, J. Protozool., v. 22 (3), 23A-24A [Abstract]
Trypanosoma brucei, bloodstream and salivary gland forms, antigenic analysis by quantitative fluorescent antibody method

Immunity, Antigens
Honigberg, B. M.; et al., 1976, Exper. Parasitol., v. 39 (3), 496-522
Trypanosoma brucei brucei, comparative antigenic analysis of different developmental stages (bloodstream, vector, and culture forms) by quantitative fluorescent antibody methods

Immunity, Antigens
Hoshino-Shimizu, S.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 492-496
Schistosoma mansoni, human, demonstration of schistosomal antigens in kidney infections, characterization of specific antigens and antibodies localized in kidney, evidence that renal injury is mediated through immune complex disease

Immunity, Antigens
Hungerer, K. D.; et al., 1974, Behring Inst. Mitt. (54), 100-106
C[ysticercus] bovis, C. longicollis, T[aenia] saginata, production and purification of antigens, use in indirect haemagglutination test, tests of cross reactions

Immunity, Antigens
Hussain, R.; Bradbury, S. M.; and Strejan, G., 1973, J. Immunol., v. 111 (1), 260-268
Ascaris suum, characterization of highly purified allergen

Immunity, Antigens
Hussain, R.; Strejan, G.; and Campbell, D. H., 1972, J. Immunol., v. 109 (3), 638-647
Ascaris suum allergen, isolation and partial characterization

Immunity, Antigens
Imai, J., 1972, Nettai Igaku (Trop. Med.), v. 14 (3), 111-123
Paragonimus westermani, biochemical analysis of antigens, effects of heat, protein and carbohydrate content; reactions to agar-gel diffusion, complement fixation and electrophoresis

Immunity, Antigens
Itazi, O. K. A.; and Njogu, A. R., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 262 [Abstract]
Trypanosom[a] brucei, sugar nucleotides in antigen synthesis

Immunity, Antigens
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Paragonimus uterobilateralis, Paragonimus africanus, use of passive hemagglutination test in diagnosis, evaluation of treatment measures, and in seroepidemiologic surveys, demonstration of common antigens, comparative studies of immunoglobulin levels and complement fixation not useful

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Schistosoma mansoni, attempts to perfect serologic tests for epidemiologic study and assessment of control projects, use of purified egg antigen for indirect hemagglutination test

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Echinococcus granulosus, isolation of the most immunoreactive antigens from sheep hydatid fluid, evaluation in immunoelectrophoresis, counter immunoelectrophoresis, and passive haemagglutination, latter must be considered test of choice in serologic diagnosis

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Schistosoma mansoni, carrier effect used to assay 11 antigenic preparations for helper T-cell priming against surface components of schistosomula, mice

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Echinococcus granulosus (ovine and equine), E. multilocularis, immunohistological localization of antigen 5 and antigen B in cyst wall, brood capsules, and protoscoleces using immunoperoxidase methods

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Taenia pisiformis, partial purification of antigens collected during in vitro cultivation, differential performance in intradermal skin test and rabbit immunization tests suggests that protective antigens and those provoking cell-mediated reactions may be different ones

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Trichobilharzia ocellata cercariae, antigens shared with Lymnaea stagnalis

Immunity, Antigens
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Echinococcus granulosus, hydatid cysts of sheep and human origin, isolation and characterization of carbohydrate antigen with blood group P_1 activity, occurrence of precipitating antibodies against this antigen in 11 of 21 sera from human cases of echinococcosis

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presence in milk from Schistosoma mansoni-infected mothers of specific S. mansoni antigen (antigen M) not detected in serum, possible importance to immunological relationship between mother and suckling child

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Toxocara larva migrans, larval excretions and secretions from in vitro cultures used as antigen in passive hemagglutination and fluorescent antibody tests to diagnose visceral larva migrans in man and laboratory animals (exper.), preliminary evaluation for serodiagnostic purposes, no cross reactions with Ascaris suum infections

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Immunity, Antigens
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Schistosoma japonicum, purification of antigen from adult worms for use in intradermal diagnostic skin tests

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Clonorchis sinensis, purification of antigens for hemagglutination test

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Scapin, M.; and Tendler, M., 1977, J. Helminth., v. 51 (1), 71-72
Schistosoma mansoni, human, detection of immunoprecipitins by immunoelectroosmophoresis and immunodiffusion methods using adult worm antigens, comparison of antigens obtained by agitation in 3M KCl and by homogenization in saline

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Plasmodium knowlesi, rhesus monkeys, immunization with lyophilized antigen plus Adjuvant 65 and BCG afforded same protection as antigen plus Freund's Complete Adjuvant, results suggest important role for cell-mediated immunity in vaccine-induced protection against malaria

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African trypanosomes, antigens and antigenic variability, review including some new work on antigens demonstrated in Trypanosoma brucei gambiense extracts that are antigenically identical to rat serum proteins

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Trypanosoma cruzi epimastigotes from cultures, separation into fractions (nuclear, mitochondrial, lysosomal, microsomal, and cell-sap), DNA, RNA content and enzyme markers of fractions, subcellular localization of antigens by Ouchterlony tests in cell-sap and microsomal fractions

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localization and determination of proteins and antigens in nuclear, mitochondrial, microsomal and cytoplasmic fractions of Trypanosoma cruzi

Immunity, Antigens
Segura, E. L.; et al., 1976, J. Parasitol., v. 62 (1), 131-133
Trypanosoma cruzi, homogenate prepared by compression-decompression technique, protective activity of various subcellular fractions, flagellar fraction most active, effective immunization more closely related to schedule than to dose, mice

Immunity, Antigens
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Trypanosoma cruzi epimastigotes, method for isolation of membrane and flagellar fractions, description of ultrastructural characteristics and antigenic activity, protective activity against lethal challenge doses of trypomastigotes is strongly associated with the flagellar fraction

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preparation ultrasonically and comparison of soluble endogenous, insoluble particular, and total mixed antigens used in indirect hemagglutination test to diagnose toxoplasmosis

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Leishmania mexicana amazonensis, simply prepared amastigote antigen for use in indirect fluorescent antibody test

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Schistosoma mansoni, S. haematobium, hamsters, substantial cross-immunity, detection of common surface antigens

Immunity, Antigens
Smith, W. D., 1977, Research Vet. Sc., v. 22 (1), 128-129
Haemonchus contortus, sheep immunized with larval antigens, stimulation of serum and mucus IgG antibody response, no IgA antibody response, no protection against challange infection

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Trypanosoma vespertilionis and T. dionisii in culture compared, population density, morphologic alterations, changes in glucose consumption and pH of media, antigenic analysis

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Speer, C. A.; Silverman, P. H.; and Barr, M.L., 1976, J. Protozool., v. 23 (3), 437-442
Plasmodium knowlesi, antigen used in vaccination of rhesus monkeys, ultrastructural examination of material from various steps obtained in French pressure cell technic of preparing antigen from infected red cells

Immunity, Antigens
Staak, C., 1975, Tropenmed. u. Parasitol., v. 26 (3), 276-277
Trypanosoma vivax, improved technique for producing antigen from infected cattle

Immunity, Antigens
Stevens, A. R.; et al., 1977, J. Protozool., v. 24 (2), 316-324
Acanthamoeba castellanii, A. culbertsoni, isolation and purity of plasma membrane antigens (electron microscopy, assays of marker enzymes), antisera raised against these antigens tested against homologous and heterologous Acanthamoeba spp. in agglutination and immunofluorescence tests, results strongly indicate value of plasma membrane antisera for immunotaxonomy and immunodiagnosis of Acanthamoeba

Immunity, Antigens
Storey, D. M.; and Court, J. P., 1977, Parasitology, v. 75 (2), ix [Abstract]
Litomosoides carinii, host or host-like antigens demonstrated in adult worms and their presence inferred in blood microfilariae

Immunity, Antigens
Sulzer, A. J., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 440-441 [Letter]
proposal for establishment of central facility to produce antigen for serologic tests for malarial antibody in order to advance research in malariaology and reduce numbers of simian species needed for antigen production

Immunity, Antigens
Sulzer, A. J.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 55-58
malaria, human, diagnosis, indirect fluorescent antibody test using multi-species thick smear antigen containing equal proportions of Plasmodium vivax, P. falciparum, and P. brasilianum (latter serologically equivalent in IFA test to P. malariae), circumvents need for multiple testing with several antigen species

Immunity, Antigens
Sulzer, A. J.; and Latorre, C. R., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (6), 553 [Letter]
primate malarias, method for in vitro production of schizont antigens for use in indirect immunofluorescence tests for malarial antibodies

Immunity, Antigens
Takahashi, J.; and Sato, K., 1976, Japan. J. Exper. Med., v. 46 (1), 7-13
fractionation and purification of Dirofilaria immitis antigens by column chromatography and disc electrophoresis, evaluation for use in diagnosis of human Wuchereria bancrofti by hemagglutination test

Immunity, Antigens
Takayanagi, T.; et al., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 165-167
Trypanosoma gambiense, electron microscopy of parasite to show flagellum and ferritin particles concentrated on it, soluble antigen concentrated on flagellum specifically at flagellar membrane and the lattice-like intraflagellar structure

Immunity, Antigens
Takayanagi, T.; Kambara, H.; and Enriquez, G. L., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (1), 27-31
Trypanosoma gambiense, O type maintained in rats, isolation and purification of agglutination antigen

Immunity, Antigens
Takayanagi, T.; Nakatake, Y.; and Kato, H., 1977, Exper. Parasitol., v. 43 (2), 414-422
Trypanosoma gambiense, antigens involved in immune binding to mammalian host macrophages followed by phagocytosis

Immunity, Antigens
Takei, K.; and Chun, S.-K., 1976, Japan. J. Exper. Med., v. 46 (6), 399-403
Clonorchis sinensis, purification of antigens for complement fixation test

Immunity, Antigens
Thomas, R. J.; Waller, P. J.; and Cottrill, B. R., 1975, Research Vet. Sc., v. 19 (1), 113-114
Haemonchus contortus larvae used as source of antigen, decrease in antigenic potency following storage for 2 months at 5°C, no such decline in larvae killed by freezing and stored at -15°C, suggested that loss of potency with ageing may be partly responsible for increased worm populations in sheep in spring

Immunity, Antigens
Torres, P.; and Barriga, O. O., 1974, Bol. Chileno Parasitol., v. 29 (3-4), 79-85
Ascaris suum, A. lumbricoides, Toxocara mystax, Ascaridia galli, comparative antigenic analysis by gel double diffusion and immunoelectrophoresis

Immunity, Antigens
Tribouley-Duret, J.; et al., 1976, Compt. Rend. Soc. Biol., Paris, v. 170 (2), 349-352
Toxocara canis, mice, rabbits, detection of antibodies using antigen prepared from adult worm rather than larva, precipitation, complement fixation, hemagglutination, results show such antigen should be suitable for diagnosis of visceral larva migrans

Immunity, Antigens
Tromba, F. G.; and Romanowski, R. D., 1976, J. Parasitol., v. 62 (2), 250-255
Stephanurus dentatus, swine, evaluation as vaccines of 9 somatic antigens derived from excretory gland cells

Immunity, Antigens
Tsuji, M.; et al., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 233-236
Schistosoma japonicum, immunologic differences of 3 species of Oncomelania vector snails, immunoelectrophoretic demonstration of shared antigens between adult worms and snail vectors

Immunity, Antigens
Valkoun, A.; and Jira, J., 1975, J. Protozool., v. 22 (3), 69A [Abstract]
Toxoplasma gondii, use of lyophilized antigen for indirect fluorescent antibody test

Immunity, Antigens
Valkoun, A.; and Jira, J., 1977, J. Protozool., v. 24 (2), Suppl., 16A-17A [Abstract]
Toxoplasma gondii, purified antigen for skin test

Immunity, Antigens
Varela-Diaz, V. M.; et al., 1977, Research Vet. Sc., v. 23 (2), 213-216
Echinococcus granulosus, Taenia hydatigena, comparative antigenic characterization of cyst fluids by immunoelectrophoresis, arc 5 antigens are present in both fluids, significance to phylogenetic and immunodiagnostic studies

Immunity, Antigens
Varela-Diaz, V. M.; and Torres, J. M., 1977, Boll. Ist. Sieroterap. Milanese, v. 56 (4), 303-309
Echinococcus granulosus cysts, antigenic characterization, relationships between soluble extracts of protoscoleces, laminated layer, and germinal membranes and hydatid fluid obtained from both fertile and sterile cysts

Immunity, Antigens
Vargas, D. L., 1974, Prensa Med. Mexicana, v. 39 (3-4), 215-219
Onchocerca volvulus, humans, immunologic analysis of serum immunoglobulins, finding that parasite produces heterophilic antigen of A type blood groups

Immunity, Antigens
Venkatesan, S.; and Ormerod, W. E., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 12-13 [Demonstration]
Trypanosoma brucei rhodesiense, antigenicity and stilbamidine resistance

Immunity, Antigens
Visvesvara, G. S.; and Balamuth, W., 1975, J. Protozool., v. 22 (2), 245-256
Acanthamoeba, Naegleria, Hartmannella, comparative studies on free-living and pathogenic amebae: cyst structure; nutrition; protein composition; immunology; cell free plaques and other cytopathic effects; phospholipase liberation; sensitivity to amphotericin B

Immunity, Antigens
Visvesvara, G. S.; and Healy, G. R., 1973, J. Protozool., v. 20 (4), 522
pathogenic vs. free-living Naegleria, comparison by gel-diffusion and immunoelectrophoresis reactions

Immunity, Antigens
Yarzabal, L. A.; et al., 1977, J. Parasitol., v. 63 (3), 495-499
antigen 5 of Echinococcus granulosus found to also be a component of E. multilocularis, radioimmunoelectrophoretic, immunodiffusion, and immunoabsorption studies, implications for immunodiagnosis of hydatid disease

Immunity, Antigens
Yarzabal, L. A.; et al., 1977, Exper. Parasitol., v. 42 (1), 115-120
Echinococcus granulosus, localization of hydatid fluid antigen B (a thermostable lipoprotein) in larval tissues

Immunity, Antigens
Vizcaino G., O.; and Todorovic, R. A., 1975, Rev. Inst. Colomb. Agropec., v. 10 (1), 77-85
Babesia bigemina, B. argentina, characterization of antigens, complement fixation, immunodiffusion, cross-immunity tests

Immunity, Antigens
Weiss, M. L., 1976, Exper. Parasitol., v. 40 (1), 103-111
Plasmodium berghei, mouse strain noninfective but highly immunogenic for Meriones unguiculatus was adapted to M. unguiculatus through serial passage of infected blood, antigenic changes during adaptation, loss of infectivity for mice, different antigens apparently responsible for immunogenicity vs. infectivity, vaccination led to production of some protective antibody but also to blocking and enhancing antibody

Immunity, Antigens
Weiss, N.; and Degremont, A., 1976, Praxis, Bern, v. 65 (24), 742-744
human malaria, comparative evaluation of Plasmodium gallinaceum, P. falciparum and P. cynomolgi bastianellii as antigens for indirect immunofluorescence used for diagnosis

Immunity, Antigens
Willadsen, P., 1976, FEBS Letters, v. 72 (2), 346-349
Boophilus microplus, allergenic activity of a tick esterase

Immunity, Antigens
Willadsen, P.; and Williams, P. G., 1976, Immunochemistry, v. 13 (7), 591-597
Boophilus microplus larvae, isolation of antigen which produces immediate hypersensitivity reaction in naturally infected cattle, characterized as esterase with molecular weight of approximately 60,000

Immunity, Antigens
Williams, A. I. O., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (5), 621-630
Plasmodium falciparum, preparation and use of malarial placenta antigen for immunodiffusion studies: Ibadan, Western State of Nigeria

Immunity, Antigens
Williams, J. F.; Perez Esandi, M. V.; and Oriol, R., 1971, Am. J. Trop. Med. and Hyg., v. 20 (4), 575-579
evaluation of purified lipoprotein antigens of Echinococcus granulosus in the immunodiagnosis of human infection using hemagglutination, immunoelectrophoresis and skin tests

Immunity, Antigens
Wilson, A. J.; Dar, F. K.; and Paris, J., 1973, Ann. Trop. Med. and Parasitol., v. 67 (3), 313-317
Trypanosoma congolense, comparison of antigenic types isolated from wild tsetse flies in 4 geographically distinct areas of East Africa

Immunity, Antigens
Wilson, R. J. M.; et al., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 308-312
Plasmodium falciparum, human, precipitating antibody response to malarial S-antigens, age distribution, other factors affecting production and detection of such antibodies: The Gambia

Immunity, Antigens
Wilson, R. J. M.; McGregor, I. A.; and Hall, P. J., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (5-6), 460-467
Plasmodium falciparum, persistence and recurrence of S-antigens in human serum following antimalarial treatment, correlation with density of parasitemia and antigen titer observed before treatment

Immunity, Antigens
Wilson, R. J. M.; McGregor, I. A.; and Williams, K., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (5-6), 453-459
Plasmodium falciparum, prevalence of malarial S-antigens in human serum or plasma, relationship of antigen presence to season and infection intensity

Immunity, Antigens
Yarzabal, L.; et al., 1976, Exper. Parasitol., v. 40 (3), 391-396
Echinococcus granulosus hydatid cysts, tissue localization of specific antigen "5" detected by indirect immunofluorescent test

Immunity, Antigens
Yuan, L.; and Sell, K. W., 1974, Immunochemistry, v. 11 (5), 235-242
Schistosoma mansoni, guinea pigs, development of delayed hypersensitivity in response to antigens extracted from cercariae, successful transfer of cercarial delayed hypersensitivity with lymphoid cells, pronase treatment decreased immunogenicity and antigenicity of cercarial antigens suggesting that protein components play major role

Immunity, Antigens
Zapart, W.; Adonajło, A.; and Gancarz, Z., 1969, Acta Parasitol. Polon., v. 16 (1-19), 1968-1969, 9-19
Trichinella spiralis, sera from infected humans, evaluation of fractionated antigens, complement fixation and ring precipitation tests

Immunity, Antigens
Zapart, W.; Slusarski, W.; and Ptasinski, J., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 223-229
human cerebral cysticercosis and echinococcosis, skin testing as valuable adjunct in diagnosis, antigens used were acid soluble protein fractions of Taenia solium proglottids, T. solium cysts, and Echinococcus granulosus protoscolices

Immunity, Antigens
Zeledon, R.; and Ponce, C., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (5), 414-415 [Letter]
human chronic Chagas disease, immediate skin test reaction using soluble protein antigen from parasites grown in culture, cross-reaction from cutaneous leishmaniasis differentiated by Montenegro test

Immunity, Antigens
Zuckerman, A., 1977, Exper. Parasitol., v. 42 (2), 374-446
Plasmodium, immunology, extensive review: immunodiagnosis and seroepidemiology; immunopathology; antigenic analysis; host responses; immunoglobulins; cell-mediated reactions

Immunity, Autoimmunity
Afchain, D.; et al., 1975, Medecine Afrique Noire, v. 22 (5), 351-360
Trypanosoma (Trypanozoon) brucei gambiense, human diagnosis using immunoelectrophoresis, little evidence for autoimmunity in human sleeping sickness

Immunity, Autoimmunity
Amsel, S.; Ssebabi, E. C. T.; and Nzaro, E., 1974, Clin. and Exper. Immunol., v. 16 (4), 657-663
red cell autoantibody demonstrated in Ugandan sera, not associated with acute attacks of malaria

Immunity, Autoimmunity
Bear, P. D., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 16-18
Anaplasma marginale, biochemical and immunological nature, brief review: nucleic acids; opsonins and autoimmunity

Immunity, Autoimmunity
Capbern, A.; et al., 1977, Ann. Parasitol., v. 52 (3), 237-251
Trypanosoma equiperdum, 2 strains giving rise to different clinical disease in rabbits (exper.), aspects of immune response (specific antibodies, hypermacroglobulinemia, anti-fibrinogen auto-antibodies) and coagulation disorders

Immunity, Autoimmunity
Capron, A.; et al., 1977, Ann. Immunol., v. 128C (1-2), 541-556
impairment of immune response in parasitic infections characterized by high prevalence of autoantibodies and by immunosuppression, review discussing malaria, trypanosomiasis, trichinosis, and schistosomiasis, with some original material on the last

Immunity, Autoimmunity
Carlier, Y.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 530-531 [Letter]
Schistosoma mansoni in humans, skin tests and serologic investigation of autoimmune reactivity to DNA liver and kidney antigens, results suggest delayed hypersensitivity to DNA liver and kidney antigens but little serological evidence of autoimmune reactions

Immunity, Autoimmunity
Cossio, P. M.; et al., 1977, Am. J. Path. (418), v. 86 (3), 533-544
Trypanosoma cruzi, immunopathologic and morphologic studies of chagasic cardiopathy, deposits of immunoglobulins found at plasma membrane of working myocardial and endothelial cells, cytologic location of bound gammaglobulin coincident with specificity of circulating antibodies; findings suggest the possibility that lymphocyte-mediated immune response against heart tissue may participate in some of pathogenetic mechanisms of chronic cardiopathy

Immunity, Autoimmunity
Cox, H. W.; and Calaf-Iturri, G., 1976, Ann. Trop. Med. and Parasitol., v. 70 (1), 73-79
Haemobartonella muris in rats, Eperythrozoon coccoides in mice, production of essentially same disease characterized by anemia with splenomegaly and erythrophagocytosis associated with presence of cold-active haemagglutinin, serum antigen, and antibody to serum in blood

Immunity, Autoimmunity
Cox, K. O.; Howard, R. J.; and Mitchell, G. F., 1977, Cellular Immunol., v. 32 (1), 223-227
Babesia rodhaini, increased numbers of plaque-forming cells secreting antibodies to modified mouse erythrocytes in spleens of heavily infected BALB/c·nu/+ mice but not in spleens of infected hypothymic BALB/c·nu/nu mice, role of antierythrocyte autoantibodies in pathogenesis controversial

Immunity, Autoimmunity
Ghanem, M. H.; et al., 1975, Egypt. J. Bilharz., v. 2 (2), 271-276
Schistosoma mansoni, measurement of immunoprecipitins to somatic antigens in patients with liver and spleen involvement; possible roles of cercariae, adult worms, and eggs in producing pathology with schistosome ova probably initiating autoimmune reactions

Immunity, Autoimmunity
Gomez Garcia, V.; Lozano Maldonado, J.; and Gonzalez Castro, J., 1973, Rev. Iber. Parasitol., v. 33 (2-3), 447-448
Fasciola hepatica, preliminary study of precipitation reactions among bile, serum and bile extract of infected and uninfected sheep in various combinations; hypothesis that fascioliasis can have role in formation of autoantibodies, that is, that biliary products are antigenic for the host

Immunity, Autoimmunity
Goodger, B. V., 1976, Internat. J. Parasitol., v. 6 (3), 213-216
Babesia argentina, crude soluble haemagglutination antigen contained fibrinogen, removal of fibrinogen removed most if not all antigenic activity, concluded that antigen was either babesial moiety complexed with fibrinogen or a fibrinogen molecule altered by parasite metabolic activity

Immunity, Autoimmunity
Hawking, F.; Wilson, A. J.; and Paris, J., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 289 [Letter]
Trypanosoma congolense, effect of dexamethasone upon infection in calves, results suggest that anemia was not due to auto-immunization but probably due to direct toxic action of trypanosomes on blood

Immunity, Autoimmunity
Hendrickse, R. G., 1975, Paediat. Indonesiana, v. 15 (3-4), 83-92
Plasmodium malariae in children as cause of immune complex nephritis probably involving an auto-immune process, treatment efforts still unsatisfactory

Immunity, Autoimmunity
Hooshmand-Rad, P., 1976, Research Vet. Sc., v. 20 (3), 324-329
Theileria annulata, intact susceptible calves, premune calves following splenectomy, pathogenesis of anemia, role of erythrocytic forms and schizonts, involvement of autoimmune reaction is proposed

Immunity, Autoimmunity
Houba, V., 1976, Pathophysiol. Parasit. Infect., 221-232
immunopathological mechanisms in parasitic disease, review (immune complexes; complement; autoimmunity; cell-mediated reactions; immunodepression)

Immunity, Autoimmunity
Huebsch, R. M.; Sulzer, A. J.; and Kagan, I. G., 1976, J. Parasitol., v. 62 (4), 523-527
evaluation of sensitivity and specificity of indirect immunofluorescence test for autoimmune-type EVI antibodies in sera of patients with Chagas disease (Trypanosoma cruzi), leishmaniasis (Leishmania brasiliensis, L. donovani), malaria, and several other nonparasitic diseases; second type of staining of heart tissue also reported for patients with leishmaniasis and malaria but not Chagas' disease

Immunity, Autoimmunity
Hussein, H. S., 1976, Ztschr. Parasitenk., v. 50 (2), 103-108
Babesia hylomysci, mice, ^{59}Fe labelling of hemoglobin demonstrating parasite's preference for mature erythrocytes, direct destruction of erythrocytes as main cause of anemia and autoimmune reaction as probable factor

Immunity, Autoimmunity
Jones, C.E., 1977, Exper. Parasitol., v.42 (2), 261-273
Schistosoma japonicum, rabbits, investigation of possible role of immune complexes in renal pathology and hepatic fibrosis: serum cryogelatification and cryoprecipitation phenomena; temporal aspects of anti-DNA response

Immunity, Autoimmunity
Jones, C. E.; Lewert, R. M.; and Ozcel, M. A., 1976, Am. J. Trop. Med. and Hyg., v. 25 (4), 613-616
anti-liver antibodies discovered in rabbits infected with Schistosoma japonicum

Immunity, Autoimmunity
Kamo, E., 1972, Med. J. Shinshu Univ., v. 17 (2), 37-55
pathogenesis of liver cirrhosis as an autoimmune disease in exper. Schistosoma japonicum-infected rabbits

Immunity, Autoimmunity
Lindsley, H. B.; Kysela, S.; and Steinberg, A. D., 1974, J. Immunol., v. 113 (6), 1921-1927
Trypanosoma rhodesiense, T. gambiense, humans, development of antibodies to nucleic acids, possible pathophysiological relationship to renal disease remains to be determined

Immunity, Autoimmunity
Lustig, H. J.; Nussenzweig, V.; and Nussenzweig, R. S., 1977, J. Immunol., v. 119 (1), 210-216
Plasmodium berghei-infected mice, IgG and IgM present on circulating erythrocytes (both parasitized and nonparasitized), this Ig could be part of immune complexes nonspecifically bound to cell surface or could constitute autoantibodies against reticulocytes or antibodies against parasite antigens present on cell membrane

Immunity, Autoimmunity
McGhee, R. B., 1976, Exper. Parasitol., v. 39 (1), 88-94
Plasmodium gallinaceum-infected immunoincompetent chicken embryos, changes in blood picture in response to injection of serum from hyperimmunized chickens, results suggest definite role of immunity in anemia accompanying malaria, failure to clarify question of autoimmunity

Immunity, Autoimmunity
MacKenzie, A. R., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 269 [Abstract]
Trypanosoma brucei, rabbits, anti-liver and anti-Wassermann response can occur in young animals not possessing the antibodies before infection, but production of Forssman (heterophile) antibody appears to require presence of antibody at time of infection

Immunity, Autoimmunity
MacKenzie, A. R.; Boreham, P. F. L.; and Facer, C. A., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 268 [Abstract]
Trypanosoma congolense, T. brucei, cattle, anti-liver, anti-Wassermann, and anti-fibrinogen antibodies, human serum from sleeping sickness patients also showed raised levels of these autoantibodies, trypanosome-infected lions and hyaenas did not

Immunity, Autoimmunity
Mansfield, J. M.; and Kreier, J. P., 1972, Infect. and Immun., v. 5 (5), 648-656
Trypanosoma congolense, rabbits (exper.), complement-fixing and precipitating autoantibodies to normal allogeneic and autologous tissues, passive transfer of autoantibody to normal rabbits did not produce observable pathology, cell-mediated autoimmunity was not shown

Immunity, Autoimmunity
Miatello, V. R.; Zanetti, N. L.; and Miatello, V. R., hijo, 1974, Medicina, Buenos Aires, v. 34 (5), 532-538
excision of echinococcal pulmonary cyst in young girl resulted in disappearance of concurrent nephrotic syndrome, evidence supports immunological process of immune complexes or auto-antibodies as link between two disease processes

Immunity, Autoimmunity
Michalak, T.; and Slusarczyk, J., 1976, Pediat. Polska, v. 51 (3), 241-245
Pneumocystis carinii autoantibodies to smooth muscles in children with Pneumocystis pneumonia, possible stimulation of these autoantibodies by actomyosin-like antigens released from pneumocysts or respiratory tract cells during process of development of immune complexes

Immunity, Autoimmunity
Ngu, J. L.; and Blackett, K., 1976, Trop. and Geogr. Med., v. 28 (2), 111-120
Onchocerc[a] volvulus in humans, immunologic studies attempting to delineate role of humoral and cellular immune responses in the heterogeneity of onchocercal lesions

Immunity, Autoimmunity
Ross, J. M.; and Van Regenmortel, M. H. V., 1977, Ann. Immunol., v. 128C (4-5), 817-832
Trypanosoma equiperdum, rabbits, serum IgM and IgG levels, fractions found to contain both anti-trypanosome antibodies and autoantibodies to host tissue antigens, failure to confirm earlier reports of presence of rheumatoid factor

Immunity, Autoimmunity
Rushton, B., 1976, Research Vet. Sc., v. 21 (2), 242-243
Fasciola hepatica, sheep, increase of complement fixation (CF) and passive haemagglutinating (PH) auto-antibody titres after primary and challenge infections, apparent organ and species specific PH antigen in sheep liver mitochondria, CF auto-antibodies neither organ nor species specific

Immunity, Autoimmunity
dos Santos, R. R.; de Oliveira, J. C. R.; and Rossi, M. A., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (2), 167
human chronic Chagas disease, presence of IgG and IgM antibodies to neurons suggests immunological mechanism involved in qualitative and quantitative alterations of autonomic nervous system

Immunity, Autoimmunity
Soni, J. L.; and Cox, H. W., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 423-430
Plasmodium gallinaceum, chickens, soluble complexes of serum antigen and its antibody may be mediator of acute anemia, serologic identity of serum antigen from malarious chickens and from Babesia rodhaini-infected rats and its distinction from parasite antigen suggest that it might be an autoantigenic macroglobulin

Immunity, Autoimmunity
Suzuki, N.; et al., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 35-40
Toxoplasma gondii, mice and rats (exper.), blood changes; rats (exper.), antibody titers by dye test and indirect immunofluorescence, erythrocytes showed positive Coombs' reaction suggesting presence of auto-immune acquired hemolytic process

Immunity, Autoimmunity
Szarfman, A.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (1), 19-24
evaluation of specificity of EVI factor observed in Trypanosoma cruzi cases using indirect fluorescent antibody test on sera from patients with other parasitic diseases, immunofluorescence of anti-skeletal muscle antibody from leishmaniasis

Immunity, Autoimmunity
Szarfman, A.; et al., 1975, Clin. Immunol. and Immunopathol., v. 4 (4), 489-499
T[rypanosoma] cruzi, 6 children with congenital Chagas' disease, presence of circulating EVI and specific anti-T. cruzi antibodies, skeletal muscle biopsies showed immunoglobulin deposits, findings suggest possible pathogenic role of EVI antibody in lesions

Immunity, Autoimmunity
Szarfman, A.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 453 [Letter]
Trypanosoma cruzi, evidence of tissue reacting antibodies in parasitemic children possibly originating in cross-reacting antigens between T. cruzi and human tissues

Immunity, Autoimmunity
Teixeira, A. R. L., 1977, Advances Exper. Med. and Biol., v. 93, 243-280
Trypanosoma cruzi, immunoprophylaxis, review: life cycle in vector and host; clinical manifestations of Chagas' disease; mechanisms of resistance (natural and acquired immunity, humoral and cell-mediated); autoimmunity; antigenic structure; live vaccines; dead vaccines; perspectives for further studies

Immunity, Autoimmunity
Topley, E.; Knight, R.; and Woodruff, A. W., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 51-54
malaria patients, direct antiglobulin test and immunoconglutinin titres, possible significance of results in understanding mechanism of anemia

Immunity, Autoimmunity
de la Vega, M. T.; Damilano, G.; and Diez, C., 1976, J. Parasitol., v. 62 (1), 129-130
chronic Trypanosoma cruzi-infected humans, positive leukocyte migration inhibition test with heart antigens, results suggest cell-mediated immune response against heart tissue could participate in mechanism of myocardial damage in Chagas' disease

Immunity, Autoimmunity
Voller, A., 1975, Symposia Brit. Soc. Parasitol., v. 13, 69-84
immunopathology of malaria, extensive review: immunosuppression and auto-immunity; tropical splenomegaly syndrome; nephrotic syndrome

Immunity, Autoimmunity
Wistar, R.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (4), 632-637
Schistosoma japonicum, rhesus monkeys, induction of anti-immunoglobulin (rheumatoid-factor-like) antibodies, role in immune response unclear, results suggest that immunization protocols designed for humans be carefully examined for potential immunopathological side effects of induced autoimmune responses

Immunity, Capillary tube agglutination. See Immunity, Agglutination.

Immunity, Cell-mediated
Aalund, O.; and Nansen, P., 1972, Acta Vet. Scand., v. 13 (4), 591-593
Fasciola hepatica, rabbits, development of delayed type hypersensitivity observed by migration inhibition studies on peripheral leucocytes

Immunity, Cell-mediated
Abrahamsohn, I. A.; and da Silva, W. D., 1977, Parasitology, v. 75 (3), 317-323
Trypanosoma cruzi, antibody-dependent cell-mediated cytotoxicity against epimastigotes by normal mouse splenic lymphocytes

Immunity, Cell-mediated
Adams, D. B.; and Rothwell, T. L. W., 1977, Exper. Parasitol., v. 42 (1), 121-128
Trichostrongylus colubriformis, guinea pigs, passive transfer of immunity using mesenteric lymph node cells, influence of various factors (immunization schedule for cell donors; size of cell dose transferred; size of challenge dose; age of both cell donors and recipients), rate of worm rejection from recipients

Immunity, Cell-mediated
Aiyedun, B. A.; and Amodu, A. A., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 611-612 [Letter]
Trypanosoma gambiense, rabbits, cell-mediated hypersensitivity, transferable with spleen cells

Immunity, Cell-mediated
Anderson, S. E.; Bautista, S.; and Remington, J. S., 1976, J. Immunol., v. 117 (2), 381-387
intracellular Toxoplasma gondii infection in human monocyte-derived macrophages in vitro can be inhibited or killed by soluble lymphocyte products contained in supernatants prepared from either antigen or mitogen-stimulated lymphocytes (homologous antigen more active than heterologous antigen or mitogen)

Immunity, Cell-mediated
Araujo, F. G.; et al., 1977, Clin. and Exper. Immunol., v. 28 (2), 289-291
Schistosoma mansoni, impairment of cell-mediated immune response in mice with mature infections as measured through rejection of skin grafts

Immunity, Cell-mediated
Askenase, P. W., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 96-103
immune inflammatory responses to parasites, interconnections between immediate and delayed hypersensitivities, role of basophils, mast cells, and vasoactive amines (Trichostrongylus colubriformis; ticks; Schistosoma mansoni), workshop report

Immunity, Cell-mediated
Askenase, P. W.; Hayden, B.; and Higashi, G. I., 1976, Clin. and Exper. Immunol., v. 23 (2), 318-327
Schistosoma mansoni, guinea-pigs, cutaneous basophil hypersensitivity (CBH) reactions to schistosome eggs or soluble egg antigens (SEA), contact hypersensitivity-like CBH responses to live cercarial challenge by skin penetration in sensitized animals, SEA-induced macrophage migration inhibition in infected guinea pigs manifesting CBH reactions

Immunity, Cell-mediated
Baker, K. P., 1977, Irish Vet. J., v. 31 (10), 141-147
fleas, human hypersensitivity, dermatitis, clinical signs, epidemiology, diagnosis, histopathology, treatment, control, review

Immunity, Cell-mediated
Banerjee, D. P.; et al., 1977, Trop. Animal Health and Prod., v. 9 (3), 153-158
Babesia equi, donkeys (vaccinated, infected and carrier intact, and splenectomised), intradermal skin test developed to demonstrate hypersensitivity reaction, leucocyte migration inhibition test developed

Immunity, Cell-mediated
Baron, R. W.; and Tanner, C. E., 1976, Internat. J. Parasitol., v. 6 (1), 37-42
Echinococcus multilocularis in T-cell depleted A/J mice, adult thymectomy enhances metastasis but not growth of cysts, combined thymectomy and antithymocyte serum enhances both cyst growth and metastasis, suggested that cell-mediated immunity controls early phase of infection

Immunity, Cell-mediated
Barr, M. L.; et al., 1977, Cellular Immunol., v. 33 (2), Oct., 447-451
Plasmodium berghei, transfer of immunity to mice by RNA from spleens and lymph nodes of immune rats

Immunity, Cell-mediated
Behin, R.; Mauel, J.; and Rowe, D. S., 1977, Clin. and Exper. Immunol., v. 29 (2), 320-325
Leishmania enriettii, guinea pigs, inhibition of leishmanial lesion by delayed hypersensitivity reaction to unrelated antigens, concluded that cell-mediated immunity plays important role in healing leishmanial lesions

Immunity, Cell-mediated
Belehu, A.; Poulter, L. W.; and Turk, J. L., 1976, Clin. and Exper. Immunol., v. 24 (1), 125-132
Leishmania enriettii, guinea pigs, pretreatment with cyclophosphamide, increased intensity of initial lesion and increased incidence of widespread metastases, decreased levels of circulating antibody, possible differential roles of cell-mediated immunity and humoral antibody in cutaneous leishmaniasis

Immunity, Cell-mediated
Belehu, A.; and Turk, J. L., 1976, Infect. and Immun., v. 13 (4), 1235-1241
Leishmania enriettii, establishment of self-healing type of cutaneous leishmaniasis in hamsters, course of infection, immunopathological response, useful model

Immunity, Cell-mediated
Blackwood, L. L.; and Molinari, J. A., 1976, Abst. Ann. Meet. Am. Soc. Microbiol., 82
Trichinella spiralis, mice, delayed hypersensitivity to heterologous antigens, immune capabilities dependent upon phase of parasitic life cycle

Immunity, Cell-mediated
Blewett, T. M.; Kadivar, D. M. H.; and Soulsby, E. J. L., 1971, Am. J. Trop. Med. and Hyg., v. 20 (4), 546-551
cell-mediated immunity in cutaneous leishmaniasis in guinea pig, mitogenic stimulation by antigens on peripheral lymphocytes and inhibition of macrophage migration

Immunity, Cell-mediated
Bloch, K. J.; Towle, C.; and Mills, J. A., 1977, Cellular Immunol., v. 28 (1), 181-189
Nippostrongylus brasiliensis, rats, mesenteric lymph node and spleen cells, stimulation by worm metabolic antigen and by con A of tritiated thymidine incorporation

Immunity, Cell-mediated
Boros, D. L., 1976, Ann. N. York Acad. Sc., v. 278, 36-46
Schistosoma mansoni, granuloma formation etiology, cell-mediated immunity aspects, review

Immunity, Cell-mediated
Boros, D. L.; Pelley, R. P.; and Warren, K. S., 1975, J. Immunol., v. 114 (5), 1437-1441
Schistosoma mansoni, mice, spontaneous modulation of granulomatous hypersensitivity, concomitant rise in circulating antibody levels and fall in spleen cell responsiveness to antigen

Immunity, Cell-mediated
Boros, D. L.; Tomford, R.; and Warren, K. S., 1977, J. Immunol., v. 118 (1), 373-376
Schistosoma mansoni, induction of granulomatous and elicitation of cutaneous sensitivity by partially purified soluble egg antigens

Immunity, Cell-mediated
Boros, D. L.; and Warren, K. S., 1973, Immunology, v. 24 (3), 511-529
Schistosoma mansoni, model for study of granulomatous inflammation employing bentonite particles coated with soluble antigens and injected i.v. into micro-vasculature of sensitized mice

Immunity, Cell-mediated
Boros, D. L.; Warren, K. S.; and Pelley, R. P., 1973, Nature (5430), v. 246, 224-226
Schistosoma mansoni, secretion of migration inhibitory factor by intact schistosome egg granulomas maintained in vitro

Immunity, Cell-mediated
Bray, R. S.; and Harris, W. G., 1977, Clin. and Exper. Immunol., v. 29 (1), 147-151
Entamoeba histolytica, guinea pigs, cellular immune responses to amoebic liver abscess, no dermal hypersensitivity but positive lymphocyte transformation and macrophage-migration inhibition, time sequence of responses, role of immunodepression unclear

Immunity, Cell-mediated
Brown, A. P.; et al., 1977, J. Immunol., v. 119 (4), 1275-1278
Schistosoma mansoni, partial purification of egg antigens that elicit delayed hypersensitivity in appropriately sensitized guinea pigs

Immunity, Cell-mediated
Brown, K. N.; Jarra, W.; and Hills, L. A., 1976, Infect. and Immun., v. 14 (4), 858-871
Plasmodium berghei, rats, development of protective T cell activity

Immunity, Cell-mediated
Bruce, R. G.; Rose, M.; and Parrott, D. M. V., 1976, Parasitology, v. 73 (2), xvii-xviii [Abstract]
Trichinella spiralis, mice, lymphoblasts, enhanced migration to and localization in small intestinal tissue at 2 and 4 days after infection but not at 6-10 days, primary effectors of cell-mediated response in gut

Immunity, Cell-mediated
Bruce, R. G.; and Wakelin, D., 1977, Parasitology, v. 74 (2), 163-173
Trichinella spiralis, Trichuris muris, concurrent infection in mice, interactive expulsive response considered an example of indirect cross-immunity with no element of antigenic similarity, involvement of cell-mediated inflammatory response strongly suggested

Immunity, Cell-mediated
Bryceson, A. D. M., 1975, Symposia Brit. Soc. Parasitol., v. 13, 85-100
mechanisms of disease in leishmaniasis, extensive review with some previously unpublished results: host-parasite specificity; prevention or evasion of immune response; role of immune response in production of disease; healing; immunity to reinfection

Immunity, Cell-mediated
Bryceson, A. D. M.; Bray, R. S.; and Dumonde, D. C., 1974, Clin. and Exper. Immunol., v. 16 (2), 189-201
Leishmania enriettii, guinea pigs inoculated with graded doses, relationship between clinical course of infection and immunological response, selective suppression of cell-mediated immunity, extent of delayed hypersensitivity closely related to degree of host resistance, role of humoral antibody less clear

Immunity, Cell-mediated
Buening, G. M., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 71-76
Anaplasma marginale, calves (intact, splenectomized, vaccinated, unvaccinated), comparison of results in leukocyte migration inhibition test, complement fixation test, and intradermic skin tests

Immunity, Cell-mediated
Buening, G. M., 1976, Am. J. Vet. Research, v. 37 (10), 1215-1218
Anaplasma marginale, cell-mediated immune response in splenectomized and intact calves, micro cell-mediated cytotoxicity assay and leukocyte migration-inhibiton test compared, no correlation between in vitro assay systems

Immunity, Cell-mediated
Buerger, H. J., 1977, Zentralbl. Vet.-Med., Reihe B, v. 24 (1), 1-24
Trichinella spiralis, interference with the cellular immunological system of rats, antithymocyte serum and an antiserum retarded immune elimination of T. spiralis from intestine, more pronounced effects in neonatally thymectomized rats; homologous immune serum unable to restore the retarding effect of neonatal thymectomy and/or antithymocyte serum treatment; results suggest that T cells are involved in immune elimination

Immunity, Cell-mediated
Butterworth, A. E., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), Nov., 29-38
effector mechanisms against schistosomes in vitro with emphasis on eosinophils as important component in immunity, workshop report

Immunity, Cell-mediated
Butterworth, A. E.; et al., 1976, Clin. and Exper. Immunol., v. 25 (1), 95-102
Schistosoma mansoni, technique for estimating antibody-dependent cell-mediated damage to schistosomula by measuring release of ^{51}Cr from labelled organisms, time course of development of cell-dependent cytotoxic activity in sera of infected baboons

Immunity, Cell-mediated
Butterworth, A. E.; et al., 1977, J. Exper. Med., v. 145 (1), 136-150
Schistosoma mansoni, eosinophil as effector cell in antibody-dependent cell-mediated damage to schistosomula: cytotoxic activity of eosinophil-enriched preparations; lack of cytotoxicity by preparations depleted of eosinophils; greater cytotoxicity mediated by cells from normal vs. eosinophilic subjects; damage not enhanced by lymphocytes, neutrophils, or monocytes

Immunity, Cell-mediated
Byram, J. E.; and von Lichtenberg, F., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 944-956
Schistosoma mansoni, schistosome egg-induced lesions in nude mice compared with heterozygous controls, nude mice lacked hypersensitivity granulomas and failed to sequester toxic egg products which resulted in zonal hepatocellular damage

Immunity, Cell-mediated
Cabrera, E. J.; et al., 1976, Ztschr. Parasitenk., v. 50 (1), 31-42
Plasmodium knowlesi, monkeys immunized by antigen from infected erythrocytes, delayed dermal hypersensitivity response, protection against challenge infection; preliminary biochemical analysis of antigen

Immunity, Cell-mediated
Cabrera, E. J.; Alger, N. E.; and Silverman, P. H., 1973, J. Protozool., v. 20 (3), 449-452
Plasmodium berghei, rats, adoptive immunity transferred by 2 x 10^7 or 2 x 10^8 but not 2 x 10^6 immune spleen cells, spleen cells kept at 47 C for 45 min were no longer able to transfer protection; capacity to transfer adoptive immunity not found in spleen cells from unexposed adult rats capable of age immunity, but found in spleen cells from rats that had suffered very transient parasitemia

Immunity, Cell-mediated
Campo-Aasen, I.; Aleman, C.; and Torrealba, J. W., 1975, Acta Cien. Venezolana, v. 26 (5), 159-169
Leishmania, hairless mouse, paravertebral muscle, ultrastructure, pathology, mitochondria alteration, cellular defensive activity

Immunity, Cell-mediated
Camus, D.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 169 [Letter]
Trypanosoma cruzi in humans, application of leucocyte migration inhibition test to study of delayed hypersensitivity to parasitic infection

Immunity, Cell-mediated
Camus, D.; et al., 1976, J. Infect. Dis., v. 134 (4), 405-408
Schistosoma mansoni, uninfected children born to infected mothers, intradermal reactions, delayed hypersensitivity to adult antigen

Immunity, Cell-mediated
Camus, D.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 482-490
Schistosoma mansoni, attempted correlation of immunoglobulin levels, antibodies, and delayed hypersensitivity reactions in infected patients living in defined endemic area: Bahia state, Brazil

Immunity, Cell-mediated
Canto Solis, A.; et al., 1975, Prensa Med. Mexicana, v. 40 (9-10), 275-281
Entamoeba histolytica, human hepatic abscess, immunologic study of infected persons revealed evidence of altered humoral and cellular immunity

Immunity, Cell-mediated
Capron, A.; et al., 1973, Path. Biol., v. 21 (10), 1079-1084
lethal factor obtained from human sera infected with Schistosoma mansoni or S. haematobium demonstrated lethal action on schistosomula in culture, significant correlation between lethal factor and in vivo and in vitro tests for delayed hypersensitivity

Immunity, Cell-mediated
Capron, A.; et al., 1977, European J. Immunol., v. 7 (5), 315-322
Schistosoma mansoni, rats, Ig-E immune complex-mediated macrophage cytotoxicity against schistosomula, new mechanism of macrophage activation could play role in immune effector mechanisms against this parasite

Immunity, Cell-mediated
Capron, A.; et al., 1977, Ann. Immunol., v. 128C (1-2), 541-556
impairment of immune response in parasitic infections characterized by high prevalence of autoantibodies and by immunosuppression, review discussing malaria, trypanosomiasis, trichinosis, and schistosomiasis, with some original material on the last

Immunity, Cell-mediated
Capron, A.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 39-47
Schistosoma mansoni, interaction between IgE and macrophages and other effector cells involved in the in vitro killing of schistosomules, interaction of IgGa with same cell populations, possible cooperation between various antibody-dependent cell-mediated mechanisms and their possible in vivo relevance, workshop report

Immunity, Cell mediated
Capron, M.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (2), 248-253
Schistosoma mansoni, complement dependent cytotoxic antibodies, correlation with clinical forms of infection, levels of other specific anti-S. mansoni antibodies, delayed hypersensitivity and presence of urinary M antigen in host

Immunity, Cell-mediated
Carlier, Y.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 530-531 [Letter]
Schistosoma mansoni in humans, skin tests and serologic investigation of autoimmune reactivity to DNA liver and kidney antigens, results suggest delayed hypersensitivity to DNA, liver and kidney antigens but little serological evidence of autoimmune reactions

Immunity, Cell-mediated
Carson, C. A.; Sells, D. M.; and Ristic, M., 1976, Am. J. Vet. Research, v. 37 (9), 1059-1063
Anaplasma marginale, effect of blood group substances vs. parasitic components on induction of delayed cutaneous hypersensitivity and production of isoagglutinins in cattle injected with live or inactivated parasites in ovine or bovine erythrocytes, results indicate that inactivated sheep origin vaccine may avoid eliciting neonatal isoerythrolysis syndrome in calves from vaccinated dams

Immunity, Cell-mediated
Carson, C. A.; Sells, D. M.; and Ristic, M., 1976, Vet. Parasitol., v. 2 (1), 75-81
Anaplasma marginale, cattle, cell-mediated immunity and correlation with protection induced by vaccination, review

Immunity, Cell-mediated
Carson, C. A.; Sells, D. M.; and Ristic, M., 1977, Am. J. Vet. Research, v. 38 (2), 173-179
Anaplasma marginale, cell-mediated immune response in cattle given virulent, attenuated and inactivated preparations, measured by leukocyte migration-inhibition test and lymphocyte transformation of blood leukocytes

Immunity, Cell-mediated
Carson, C. A.; Sells, D. M.; and Ristic, M., 1977, Am. J. Vet. Research, v. 38 (8), 1167-1172
Anaplasma marginale, cows (exper.), cell-mediated immunity and severity of clinical symptoms in response to challenge infection after inoculation with virulent, live attenuated, or killed A. marginale, effect of chemosterilization on residual immunity

Immunity, Cell-mediated
Castro, G. A.; Roy, S. A.; and Schanbacher, L. M., 1975, J. Parasitol., v. 61 (6), 1053-1060
Trichinella spiralis, untreated worms or worms exposed to phytohemagglutinin or immune serum, in vitro effects of lamina propria cells from small intestine of immunized rats, deleterious effect of disrupted (but not intact) cells on juveniles and adults (but not larvae), vermicidal component not linked to peroxidase-H_2O_2-halide system

Immunity, Cell-mediated
Chen, D. H.; Tigelaar, R. E.; and Weinbaum, F. I., 1977, J. Immunol., v. 118 (4), 1322-1327
Plasmodium berghei, immunization of T and B cell-deficient mice with x-irradiated sporozoites, results demonstrate preeminent role for T cells in induction of protective immunity against sporozoite infection

Immunity, Cell-mediated
Chen, P.; and Dean, D. A., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 963-974
Schistosoma mansoni, in vitro blastogenesis and macrophage migration inhibition factor (MIF) production in response to cercarial, adult worm, and egg antigens tested in guinea pigs; early cessation of MIF response to schistosome antigens suggests MIF assay as useful tool for examining immune suppression to schistosomiasis

Immunity, Cell-mediated
Chimyshkyan, K. L.; et al., 1976, Biomedicine, v. 25 (5), 176-180
inhibition of transplantation immunity and ability of lymphoid cells to induce graft-versus-host reactions during certain phases of Trichinella spiralis infections

Immunity, Cell-mediated
Clinton, B. A.; Palczuk, N. C.; and Stauber, L. A., 1972, J. Immunol., v. 108 (6), 1570-1577
Leishmania donovani, promastigotes, partial characterization of some cytoplasmic antigens, delayed skin response to these fractions

Immunity, Cell-mediated
Cohen, S.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 223-232
malaria, role of humoral and cell-mediated mechanisms in specific acquired immunity to erythrocytic stage, current status of merozoite vaccination, workshop report

Immunity, Cell-mediated
Cohen, S.; Butcher, G. A.; and Mitchell, G.H., 1977, Advances Exper. Med. and Biol., v. 93, 89-112
immunization against erythrocytic forms of malaria parasites, review: malaria life cycle; innate and acquired resistance to malaria (specific malarial antibody, protective malarial antibody, synergistic action of malarial antibody and cells, role of specific cell-mediated immunity in malaria, isolation and properties of merozoites); vaccination against erythrocytic forms of malaria (vaccination and challenge using undefined and defined variants of Plasmodium knowlesi, adjuvant requirement for successful vaccination)

Immunity, Cell-mediated
Coleman, R. M.; et al., 1975, Immunology, v. 29 (1), 49-54
Plasmodium berghei, mice, cell-mediated cytotoxic activity against erythrocytes from malaria-infected animals demonstrated in vitro, splenic macrophages and nylon-purified spleen cells are implicated, antibody found to enhance cell-mediated lysis

Immunity, Cell-mediated
Coleman, R. M.; Bruce, A.; and Rencricca, N. J., 1976, J. Parasitol., v. 62 (1), 137-138
Plasmodium berghei, inhibition of macrophage migration in vitro may be an analog of macrophage disappearance reaction in vivo, mice

Immunity, Cell-mediated
Colley, D. G., 1975, J. Immunol., v. 115 (1), 150-156
Schistosoma mansoni, mice, chronic primary infection, immune responses to soluble egg antigen (lymphocyte blastogenesis, production of lymphokine eosinophil stimulation promoter, haemagglutinating antibody, PGA antibodies, peripheral blood eosinophilia), relationship to anti-egg granulomatous response and pathogenesis of the disease

Immunity, Cell-mediated
Colley, D. G.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 917-925
Schistosoma mansoni, human lymphocyte blastogenic responses to schistosome antigen preparations, suppressive effects of patient sera on responses induced by schistosome eggs and adult worms increased in relationship to duration of serum donor's schistosomal infection, indications that patients develop serum components which interfere with responsiveness of lymphocytes to schistosome-derived antigenic preparations

Immunity, Cell-mediated
Colley, D. G.; et al., 1977, Internat. Arch. Allergy and Applied Immunol., v. 53 (5), 420-433
Schistosoma mansoni, human, in vitro lymphocyte blastogenic responses to heterogenous antigenic preparations from schistosome eggs, worms, and cercariae, analysis with regard to longevity and intensity of infection

Immunity, Cell-mediated
Cossio, P. M.; et al., 1977, Am. J. Path. (418), v. 86 (3), 533-544
Trypanosoma cruzi, immunopathologic and morphologic studies of chagasic cardiopathy, deposits of immunoglobulins found at plasma membrane of working myocardial and endothelial cells, cytologic location of bound gammaglobulin coincident with specificity of circulating antibodies; findings suggest the possibility that lymphocyte-mediated immune response against heart tissue may participate in some of pathogenetic mechanisms of chronic cardiopathy

Immunity, Cell-mediated
Crandall, R. B.; Crandall, C. A.; and Muth, B., 1976, J. Parasitol., v. 62 (2), 321-323
acute Plasmodium berghei yoelii infection in mice, comparison of delayed hypersensitivity response mediated through spleen vs. that mediated through peripheral lymph nodes

Immunity, Cell-mediated
Dargie, J. D.; et al., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 249-271
Fasciola hepatica, rats, cattle, sheep, active immunization, passive transfer of immunity by cells and serum, pathogenetic mechanisms underlying development of hepatic fibrosis

Immunity, Cell-mediated
David, J. R.; and Butterworth, A. E., 1977, Fed. Proc., v. 36 (8), 2176-2180
Schistosoma mansoni, antibody-dependent eosinophil-mediated damage to schistosomula, review of recent work

Immunity, Cell-mediated
Dennis, M. V.; Klesius, P. H.; and Dixon, C. F., 1976, J. Alabama Acad. Sc., v. 47 (3), 116 [Abstract]
Eimeria stiedai sporozoites, rabbit peritoneal macrophages, cell-mediated immune response, phagocytosis in presence or absence of serum, immune rabbit serum has no significant effect on phagocytosis

Immunity, Cell-mediated
Diffley, P.; Skeels, M. R.; and Sogandares-Bernal, F., 1976, Ztschr. Parasitenk., v. 49 (2), 133-137
Naegleria fowleri, guinea pigs infected subcutaneously, tested with antigen derived from trophozoites, delayed hypersensitivity reaction; differences in immunocompetence of guinea pigs infected subcutaneously or intranasally discussed

Immunity, Cell-mediated
Dineen, J. K.; Kelly, J. D.; and Love, R. J., 1973, Internat. Arch. Allergy and Applied Immunol., v. 45 (4), 504-512
Nippostrongylus brasiliensis, mesenteric lymph node cells from immunized donors caused expulsion of transplanted damaged worms or adult worms developed from larval infection in both irradiated or non-irradiated syngeneic recipients but cells from unimmunized donors failed to affect the parasite

Immunity, Cell-mediated
Dineen, J. K.; Ogilvie, B. M.; and Kelly, J. D., 1973, Immunology, v. 24 (3), 467-475
Nippostrongylus brasiliensis, expulsion from intestine of rats, collaboration between humoral and cellular components of immune response

Immunity, Cell-mediated
Dorchies, P., 1975, Rev. Med. Vet. Toulouse, v. 126 (10), 1237-1248
helminthiasis, delayed and immediate hypersensitivity, immunological tolerance, epidemiological and pathological aspects, application to diagnosis and immunization, review

Immunity, Cell-mediated
Droller, M. J.; and Remington, J. S., 1975, Cellular Immunol., v. 19 (2), 349-355
Toxoplasma-infected mice, correlation between decrease in adenyl cyclase activity in lymphocytes and macrophages and resistance to tumor growth, data suggest that production of cyclic AMP by lymphocytes is inhibited with activation of certain cell-mediated immune functions

Immunity, Cell-mediated
Duffus, W. P. H.; and Wagner, G. G., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 85-95
Theileria parva, cattle, rosette-forming cell technique as an indicator of cell-mediated immune response

Immunity, Cell-mediated
Dunn, M. A.; et al., 1977, J. Clin. Invest., v. 59 (4), 666-674
Schistosoma mansoni-infected mice, liver collagen synthesis, reproducible animal model of immunologically stimulated human liver fibrosis

Immunity, Cell-mediated
Dwork, K. G.; Jaffe, J. R.; and Lieberman, H. D., 1975, N. York State J. Med., v. 75 (8), 1230-1234
Strongyloides stercoralis, massive hyperinfection in humans with attenuated cell-mediated immunity, case report of mixed infection with toxoplasmosis, literature review of known cases, thiabendazole therapy helpful

Immunity, Cell-mediated
Farah, F. S.; Lazary, S.; and De Weck, A., 1976, Immunology, v. 30 (5), 629-634
Leishmania tropica and its products are capable of inhibition of the stimulation of normal mouse and guinea-pig lymphocytes by phytohaemagglutinin, inhibition is dose-dependent and not dependent on competition for nutrients in medium nor on neutralization of phytohaemagglutinin, inhibition observed on lymphocytes of species susceptible to leishmanial infection but not operative in resistant species

Immunity, Cell-mediated
Faubert, G. M.; and Tanner, C. E., 1975, Immunology, v. 28 (6), 1041-1050
Trichinella spiralis, leucoagglutinating and leucotoxic activity of serum of infected mice and of saline extracts of larvae, capacity of infected mouse sera to prolong skin allografts

Immunity, Cell-mediated
Fegies, M.; and Guerrero, J., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 178-179
Toxoplasma gondii in humans, levamisole used alone or in conjunction with sulfamethoxazole and trimetoprin as chemical immunomodulator of cellular immune response, results of clinical trials favorable

Immunity, Cell-mediated
Finerty, J. F.; and Krehl, E. P., 1976, Infect. and Immun., v. 14 (4), 1103-1105
Plasmodium berghei yoelii, mice, protection from lethal infection by pretreatment with cyclophosphamide, development of resistance preceded by increased hypersensitivity demonstrated by delayed footpad swelling technique

Immunity, Cell-mediated
Finerty, J. F.; and Krehl, E. P., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 377-381
Plasmodium berghei yoelii, reactions in mice immunized with malarial antigen show that cell-mediated immunity depends on route of immunization and type of antigen

Immunity, Cell-mediated
Forestier, M.F.; Chateaureynaud, P.; and Pautrizel, R., 1977, J. Protozool., v. 24 (4), 59A [Abstract]
Trypanosoma equiperdum, mice, role of T lymphocytes in immunologic defense

Immunity, Cell-mediated
Fox, E. G.; and Schacher, J. F., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 523
Brugia pahangi-infected syngeneic laboratory rat-strains, permits differential studies of cellular response elicited by filarial infection and possible analysis of effect of histocompatibility type on immunopathologic picture of infection in man

Immunity, Cell-mediated
Franco, M. F.; and Morley, J., 1976, J. Immunol. Methods, v. 11 (1), 7-14
Trypanosoma cruzi, mice, use of ^{125}I-labelled albumin for detection and measurement of delayed-hypersensitivity reactions

Immunity, Cell-mediated
Garcia, E. G., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 282-288
Schistosoma japonicum, humans, pathophysiology, granuloma formation caused by delayed type hypersensitivity reaction to eggs in tissue

Immunity, Cell-mediated
Gardner, I. D.; and Remington, J. S., 1977, Infect. and Immun., v. 16 (2), 593-598
Toxoplasma gondii, mice, age-related decline in resistance to infection, possible role of serum factors and spleen cells in altered resistance of older mice

Immunity, Cell-mediated
Ghose, A. C.; and Rowe, D. S., 1977, Immunochemistry, v. 14 (6), 459-465
Leishmania enriettii, subcellular fractionation, antigenic activity of fractions determined by micro-complement fixation, indirect radioimmunoassay, skin testing, and in vitro lymphocyte transformation, results indicate antigenic heterogeneity and suggest that major humoral and cell-mediated components of immune response in infected guinea-pigs are directed against different antigenic determinants of the parasite

Immunity, Cell-mediated
Glauert, A. M.; and Butterworth, A. E., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 291-292 [Demonstration]
Schistosoma mansoni, eosinophil-mediated cytotoxicity to schistosomula, morphological elucidation of mechanism

Immunity, Cell-mediated
Golenser, J.; et al., 1976, Ztschr. Parasitenk., v. 50 (1), 95-98
Plasmodium berghei, spleen cells from previously infected rats and mice, lymphocyte transformation test with plasmodial antigen, higher parasitemia correlated with higher in vitro stimulation of lymphocytes

Immunity, Cell-mediated
Greenwood, B. M.; and Greenwood, A. M., 1971, Tr. Roy. Soc. Trop. Med. and Hyg., v. 65 (5), 581-585
Plasmodium berghei yoelii-infected NZB and B/W hybrid mice, adult mice more susceptible to infection than young mice of same strains, probably due to defective cell-mediated immunity in adults

Immunity, Cell-mediated
Greenwood, B. M.; Whittle, H. C.; and Molyneux D. H., 1973, Tr. Roy. Soc. Trop. Med. and Hyg. v. 67 (6), 846-850
Trypanosoma gambiense, human, immunosuppression, cell-mediated and humoral immunity both impaired

Immunity, Cell-mediated
Grove, D. I.; Hamburger, J.; and Warren, K. S., 1977, J. Infect. Dis., v. 136 (4), 562-570
Trichinella spiralis, kinetics of infection in mice (exper.), immunologic responses, resistance to reinfections, pathology

Immunity, Cell-mediated
Grove, D. I.; Mahmound, A. A. F.; and Warren, K. S., 1977, Internat. Arch. Allergy and Applied Immunol., v. 54 (5), 422-427
metronidazole appears to suppress selectively some aspects of cell-mediated immunity, including granuloma formation around Schistosoma mansoni eggs in unsensitized but not in previously sensitized mice

Immunity, Cell-mediated
Grove, D. I.; and Warren, K. S., 1976, Ann. Trop. Med. and Parasitol., v. 70 (4), 449-453
Trichinella spiralis, mice, niridazole suppresses cell-mediated reactions but leaves humoral antibody formation relatively intact

Immunity, Cell-mediated
Harris, W. G.; and Bray, R. S., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 340-343
Entamoeba histolytica, humans in carrier and disease states, results of lymphocytic transformation in response to specific antigen and to mitogen, specific cellular immunodepression as possible factor in amoebic invasion of bowel mucosa

Immunity, Cell-mediated
Healey, M. C.; and Gaafar, S. M., 1977, Vet. Parasitol., v. 3 (2), 121-131
Demodex canis, development of clinical signs of demodectic mange in beagle pups receiving mites and antilymphocyte serum, results indicate importance of cell-mediated response in immune defense against demodectic mange

Immunity, Cell-mediated
Healey, M. C.; and Gaafar, S. M., 1977, Vet. Parasitol., v. 3 (2), 133-140
Demodex canis, dogs, immediate and delayed skin reactions to phytohemagglutinin and concanavalin A, suppression of delayed response suggests that dogs with demodicosis may have hypoactive cellular immune system, possible mechanism of immediate response

Immunity, Cell-mediated
Hepler, D. I.; and Lueker, D. C., 1976, Abst. Ann. Meet. Am. Soc. Microbiol., 76
Nematospiroides dubius, mice (exper.), cellular and humoral response after oral immunization

Immunity, Cell-mediated
Herman, R., 1977, Exper. Parasitol., v. 42 (1), 211-220
Plasmodium chabaudi, physical interaction in vitro between splenic lymphocytes from immune mice and syngeneic peritoneal macrophages which had phagocytized and processed infected red cells, specific antigen-mediated binding of sensitized lymphocytes to macrophage membranes was demonstrated, interaction possible expression of role for T cells in immunity in rodent malaria

Immunity, Cell-mediated
Hirsh, D. C.; et al., 1975, Am. J. Vet. Res., v. 36 (11), 1591-1595
Demodex canis, suppression of in vitro reactivity of peripheral lymphocytes to phytohemagglutinin by serum from dogs with generalized demodicosis, possible role of T-lymphocyte dysfunction in pathogenesis

Immunity, Cell-mediated
Hof, H.; et al., 1976, Ann. Microbiol., v. 127 B (4), 503-507
Toxoplasma gondii, nude mice, neither more susceptible nor more resistant to primary infection with virulent cells; treatment with sulfadiazine protected against acute fatal disease; only normal mice survived after treatment withdrawn; high amounts of antibodies in normal mice, none in nude mice

Immunity, Cell-mediated
Hof, H.; Hoehne, K.; and Seeliger, H. P. R., 1976, Canad. J. Microbiol., v. 22 (10), 1453-1457
Toxoplasma gondii, mice, macrophages apparently do not play essential role as effector cells, spleen of crucial importance for resistance

Immunity, Cell-mediated
Houba, V., 1976, Pathophysiol. Parasit. Infect., 221-232
immunopathological mechanisms in parasitic disease, review (immune complexes; complement; autoimmunity; cell-mediated reactions: immunodepression)

Immunity, Cell-mediated
Hsu, C.-K.; et al., 1976, Nature, London (5567), v. 262, 397-399
Schistosoma mansoni, immunopathology in athymic mice vs. normal heterozygous mice, investigations of necessity of T-cell participation in eosinophil response, IgE formation, granuloma formation, and lymphocyte responsiveness

Immunity, Cell-mediated
Hsu, S. Y. L.; et al., 1975, J. Reticuloendothel. Soc., v. 18 (3), 167-185
Schistosoma japonicum, rhesus monkeys, mechanism of immunity studied by histopathologic examinations of skin lesions elicited during immunizations and challenge with cercariae, role of cell-mediated immunity, significance of time of appearance of eosinophils, role of synergistic and cooperative functions of T and B cells

Immunity, Cell-mediated
Jacobson, R. H.; and Reed, N. D., 1976, Internat. Arch. Allergy and Applied Immunol., v. 52 (1-4), 160-168
Nippostrongylus brasiliensis, mice, thymus-dependent lymphocytes are required to elicit both humoral and cell-mediated steps of worm expulsion

Immunity, Cell-mediated
James, S. L.; and Colley, D. G., 1975, J. Reticuloendothel. Soc., v. 18 (5), 283-293
intact schistosome egg granulomas isolated from Schistosoma mansoni-infected mice, production of lymphokine eosinophil stimulation promoter in vitro

Immunity, Cell-mediated
Jenkins, S. N., 1977, Parasitology, v. 75 (2), xiv [Abstract]
Trichuris muris, mice, cell transfer studies highlight complexity of interaction of humoral and cellular immune response

Immunity, Cell-mediated
Jennings, F. W.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 151 [Abstract]
T[rypanosoma] brucei-infected mice, immunosuppression, assessment of lymphoid cell response to antigenic stimulation by incorporation of iododeoxyuridine into lymph nodes; immunosuppression apparently specifically associated with presence of living trypanosomes as immunity partially restored if sensitization occurred same day as drug treatment

Immunity, Cell-mediated
Kagan, I. G., 1970, Immun. Parasitic Animals (Jackson, Herman and Singer), v. 2, 1137-1163
evaluation of immune state by immunologic techniques, review

Immunity, Cell-mediated
Kasper, L. H.; and Alger, N. E., 1973, J. Protozool., v. 20 (3), 445-449
Plasmodium berghei, mice, adoptive transfer of immunity, effect of number of cells transferred, source of cells (spleen vs. lymph node), and age of host from which they are derived

Immunity, Cell-mediated
Kasuya, S.; Ohtomo, H.; and Ishizaki, T., 1977, Japan. J. Med. Sc. and Biol., v. 30 (6), 297-307
suppressing effects of purified eosinophils derived from Ascaris lumbricoides suum-immunized guinea pigs on lymphocyte blast formation

Immunity, Cell-mediated
Katz, S. P.; and Colley, D. G., 1976, Infect. and Immun., v. 14 (2), 502-508
Schistosoma mansoni, mice, induction of cellular and humoral immunological reactivity to soluble cercarial antigen preparation, assayed by in vitro lymphocyte blastogenic activity and by presence of agglutinating and reaginic antibody activity

Immunity, Cell-mediated
Katz, S. P.; and Colley, D. G., 1976, Infect. and Immun., v. 14 (2), 509-521
Schistosoma mansoni, mice, intradermal response against soluble cercarial antigenic preparation was sequentially mediated by early antibody response and late developing cellular response as demonstrated histologically and by passive transfer of serum and lymphoid cells

Immunity, Cell-mediated
Kazura, J. W.; et al., 1975, J. Infect. Dis., v. 132 (6), 702-706
Schistosoma mansoni, in vitro assay for lymphokine eosinophil stimulation promoter, useful in vitro correlate of delayed hypersensitivity, test can be easily performed with human target cells and may be helpful for diagnostic or investigative purposes

Immunity, Cell-mediated
Kelly, J. D.; and Dineen, J. K., 1972, Immunology, v. 22 (2), 199-210
Nippostrongylus brasiliensis, rats, successful adoptive immunization with mesenteric lymph node cells from immune donors

Immunity, Cell-mediated
Khoury, P. B.; and Soulsby, E. J. L., 1977, Exper. Parasitol., v. 41 (1), 141-159
Ascaris suum, guinea pigs, lymphoid cell responses during primary infections assessed by antigen-induced lymphocyte transformation, rosette-formation, and rosette-plaquing techniques, progression of local lymphoid cell responses in lymphoid organs draining parasitized tissues

Immunity, Cell-mediated
Khoury, P. B.; and Soulsby, E. J. L., 1977, Exper. Parasitol., v. 41 (2), 432-445
Ascaris suum, immunized guinea pigs given challenge infections, lymphoid cell responses of draining lymph nodes and spleen, in vitro antigen-induced lymphocyte transformation, rosette formation, rosette inhibition, and rosette-plaquing techniques

Immunity, Cell-mediated
Khoury, P. B.; Stromberg, B. E.; and Soulsby, E. J. L., 1977, Immunology, v. 32 (4), 405-411
Ascaris suum, guinea pigs, passive transfer of immunity by cells or serum, significant protection with immune IgG2, IgE + IgG1 and whole immune serum or with lymphocytes from hepatic and mediastinal lymph nodes of immune animals, minimal protection with IgM and IgA, spleen lymphocytes enhanced rather than reduced degree of infection

Immunity, Cell-mediated
Kim, C. W.; Fragola, A. C.; and Rega, R. J., 1977, J. Parasitol., v. 63 (6), 1133-1135
Trichinella spiralis, low dose of antigen in combination with Freund's complete adjuvant is effective in inducing and transferring delayed hypersensitivity in the guinea pig as manifested by skin test reactions, typical histopathology and absence of circulating antibody

Immunity, Cell-mediated
Klesius, P. H.; et al., 1977, Exper. Parasitol., v. 41 (2), 480-490
Eimeria bovis, cattle, evidence for cell-mediated immune response shown by delayed hypersensitivity skin tests and lymphocyte blastogenesis with antigens extracted from oocysts of E. bovis and E. stiedai, cross-reactivity between two species

Immunity, Cell-mediated
Klesius, P. H.; and Fudenberg, H. H., 1977, Clin. Immunol. and Immunopathol., v. 8 (2), 238-246
cattle, transfer of cell-mediated immunity to Eimeria bovis antigen with bovine transfer factor (unfractionated or alcohol precipitates)

Immunity, Cell-mediated
Klesius, P. H.; Kramer, T. T.; and Frandsen, J. C., 1976, Exper. Parasitol., v. 39 (1), 59-68
Eimeria stiedai, rabbits, detection of delayed hypersensitivity by skin testing with oocyst antigen extract, skin reactivity passively transferred with lymphocyte suspensions and cell-free transfer factor but not with serum from infected skin-reactive animals

Immunity, Cell-mediated
Klesius, P. H.; and Kristensen, F., 1977, Clin. Immunol. and Immunopathol., v. 7 (2), 240-252
transfer factor, characterization of biological activity by criteria of passive transfer of delayed hypersensitivity reactivity, lymphocyte stimulation, and protective effects against bovine and rabbit coccidiosis (Eimeria bovis, Eimeria stiedae)

Immunity, Cell-mediated
Koga, M.; et al., 1976, Japan. J. Vet. Sci., v. 38 (6), 611-618
Metastrongylus apri, thymectomized guinea pigs exposed to whole-body X-irradiation or anti-thymocyte serum, vaccination and challenge, results suggest important role for T-cells in defense mechanism

Immunity, Cell-mediated
Komandarev, S.; et al., 1977, Dokl. Bolgar. Akad. Nauk, v. 30 (4), 567-569
Trichinella spiralis, rats (exper.), increase in peritoneal macrophages creates protection in subsequent infection by Erysipelothrix rhusiopathiae

Immunity, Cell-mediated
Krahenbuhl, J. L.; Lambert, L. H., jr.; and Remington, J. S., 1976, Immunology, v. 31 (6), 837-846
mice injected with living or killed Toxoplasma gondii or with Corynebacterium parvum, effect on macrophage-mediated cyctostasis of tumor target cells

Immunity, Cell-mediated
Krahenbuhl, J. L.; and Remington, J. S., 1971, Infect. and Immun., v. 4 (4), 337-343
Toxoplasma gondii-sensitized spleen cells in vitro in presence of specific antigen have capacity to activate or enhance microbicidal properties of normal peritoneal macrophages against Listeria

Immunity, Cell-mediated
Krahenbuhl, J. L.; Rosenberg, L. T.; and Remington, J. S., 1973, J. Immunol., v. 111 (4), 992-995
in vitro activation of macrophages to kill Listeria monocytogenes by Toxoplasma gondii-sensitized spleen cells incubated with Toxoplasma antigen, role of thymus-derived lymphocytes

Immunity, Cell-mediated
Kreier, J. P., 1976, Vet. Parasitol., v. 2 (1), 121-142
Plasmodium berghei, rats, mechanisms for implementation of immune response by humoral antibody and phagocytes, changes in cellular systems upon which development of immune response is dependent. review

Immunity, Cell-mediated
Kress, Y.; et al., 1977, Exper. Parasitol., v. 41 (2), 385-396
Trypanosoma cruzi, fate of phagocytized parasites in normal and BCG-activated mouse peritoneal macrophages previously labeled with thorium dioxide to permit lysosomal visualization, both activated and normal macrophages could control infections but activated cells could control significantly greater infection

Immunity, Cell-mediated
Krick, J. A.; and Remington, J. S., 1975, J. Infect. Dis., v. 131 (6), 665-672
mice infected with Toxoplasma gondii or Besnoitia jellisoni, significant resistance to mixed infections with nocardiosis, possible cell-mediated immunity

Immunity, Cell-mediated
Kuhn, R. E.; and Vaughn, R. T., 1976, Internat. J. Parasitol., v. 6 (2), 129-134
Trypanosoma cruzi, development of indirect assay suitable for studies on immune-mediated trypanosome destruction in vitro, application to complement-dependent antibody-mediated lysis, possible utility in lymphocyte-mediated cytotoxicity and in diagnosis

Immunity, Cell-mediated
Kuttler, K. L.; and Adams, L. G., 1977, Am. J. Vet. Research, v. 38 (9), 1327-1330
Anaplasma marginale in splenectomized carrier calves, recrudescent infection resulted from dexamethasone treatment, serum and blood changes during and after treatment suggest blockage of cell-mediated immune system

Immunity, Cell-mediated
Kwa, B. H.; and Liew, F. Y., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (3), 448-449 [Demonstration]
Taenia taeniaeformis in rats (exper.), cell-mediated immunity present but only about 50% protection

Immunity, Cell-mediated
Kwa, B. H.; and Liew, F. Y., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (4), 483-487
Taenia taeniaeformis, functional cell-mediated immunity demonstrated in rats (exper.) after infection with larvae, transfer of peritoneal cells from infected to non-infected rats conferred only partial protection

Immunity, Cell-mediated
Kwa, B. H.; and Liew, F. Y., 1977, J. Exper. Med., v. 146 (1), 118-131
Taenia taeniaeformis, rats, vaccination with somatic antigen and excretory antigen and with purified fractions of both, stimulation of immediate-type and delayed-type hypersensitivity reactions, highly significant protection against challenge infection

Immunity, Cell-mediated
Larsh, J. E., jr.; and Weatherly, N. F., 1975, Advances Parasitol., v. 13, 183-222
principles of delayed (cellular) hypersensitivity, cell-mediated immunity against parasitic worms, extensive review

Immunity, Cell-mediated
Lawrence, J. A., 1977, J. South African Vet. Ass., v. 48 (2), 77-83
Schistosoma mattheei, cattle (nat. and exper.), chronic hepatic syndrome, considered to be of immunological origin involving a cell-mediated immune response, usually after repeated heavy infestation: Rhodesia

Immunity, Cell-mediated
Leal Medina, L. J., 1974, Rev. Med. Vet. y Parasitol., Maracay, v. 25 (1-8), 1973-1974, 15-31
Trypanosoma lewisi, rats with and without cortisone, changes in ultrastructure of monocytes during infection; infection does not produce active macrophages or forms transitional between monocytes and macrophages

Immunity, Cell-mediated
Lelchuk, R.; Cardoni, R. L.; and Fuks, A. S., 1977, Clin. and Exper. Immunol., v. 30 (3), 434-438
Trypanosoma cruzi, human, nifurtimox-induced alterations in cell-mediated immunity, detected particularly using peripheral leucocyte migration inhibition

Immunity, Cell-mediated
Lelchuk, R.; Patrucco, A.; and Manni, J. A., 1974, J. Immunol., v. 112 (4), 1578-1581
Trypanosoma cruzi, cellular immunity in Chagas disease, effect of glutaraldehyde-treated specific antigen on inhibition of leukocyte migration

Immunity, Cell-mediated
Le Viguelloux, J.; and Barabe, P., 1974, Medecine Trop., v. 34 (5), 653-660
possible mechanisms of immunity in human Plasmodium and application to epidemiologic studies, review

Immunity, Cell-mediated
Levin, D. M.; et al., 1976, Infect. and Immun., v. 13 (1), 27-30
Trichinella spiralis, rat model, temporal development of antigen-reactive cells in Peyer's patches and other lymphoid tissues, cellular reactivity (lymphocyte blastogenesis) not evident in Peyer's patches during earliest stages of infection

Immunity, Cell-mediated
Lewert, R. M., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 289-300
Schistosoma japonicum, humans, hypersensitivity, tolerance and immunopathology, current aspects, speculations

Immunity, Cell-mediated
Liburd, E. M.; Armstrong, W. D.; and Mahrt, J. L., 1973, Cellular Immunol., v. 7 (3), 444-452
Eimeria nieschulzi in rats, investigation of normal immune response and of adoptive immunity with primed thoracic duct lymphocytes

Immunity, Cell-mediated
Liburd, E. M.; Pabst, H. F.; and Armstrong, W. D., 1972, Cellular Immunol., v. 5 (3), 487-489
Eimeria nieschulzi in rats as an animal model for evaluation of dialyzable transfer factor, partial but significant immunity induced by injection of transfer factor from immune syngeneic animals

Immunity, Cell-mediated
von Lichtenberg, F.; Sher, A.; and McIntyre, S., 1977, Am. J. Path. (419), v. 87 (1), 105-124
Schistosoma mansoni schistosomula, mice as experimental hosts for analyzing dynamics of cellular and humoral processes in lung, immunologic relationships to host resistance

Immunity, Cell-mediated
Lindberg, R. E.; and Frenkel, J. K., 1977, Infect. and Immun., v. 15 (3), 855-862
Toxoplasma gondii and Besnoitia jellisoni in vitro in hamster peritoneal exudate cells, antigenic stimulation of peritoneal cells and expression of immunity, inhibition of parasite growth by peritoneal macrophages armed either specifically or nonspecifically, expression of immunity by cells derived from hamsters treated with cortisol, effects of cortisol on (1) immune and non-immune lymphocytes, (2) arming of macrophages by lymphocytes, (3) the ability of peritoneal macrophages to destroy antibody-treated parasites

Immunity, Cell-mediated
Lindberg, R. E.; and Frenkel, J. K., 1977, J. Parasitol., v. 63 (2), 219-221
Toxoplasma gondii in nude mice, failure to develop immunity during 3 weeks of sulfadiazine therapy while hirsute littermates developed immunity during this period, intraperitoneal injection of thymus cells from hirsute littermates enabled nude mice to develop immunity during drug prophylaxis but bone marrow cells or high-titered specific antibody did not prolong survival after sulfadiazine was discontinued, immunity appears dependent upon active cellular immunity with role of antibody uncertain

Immunity, Cell-mediated
Liston, A. J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 6 [Demonstration]
Trypanosoma cruzi, T. dionisii, T. vespertilionis, cell mediated immune responses in mice, some cross-reactivity of antigens but homologous responses stronger

Immunity, Cell-mediated
Ljungstroem, I.; and Huldt, G., 1977, Acta Path. et Microbiol. Scand., v. 85C (2), 131-141
Trichinella spiralis, mice, humoral and cellular immune responses to unrelated antigens at different stages of infection, humoral response depressed during short period of infection but depression of cell mediated response is more severe and longer lasting

Immunity, Cell-mediated
Long, P. L.; and Rose, M. E., 1976, Ztschr. Parasitenk., v. 48 (3-4), 291-294
Eimeria tenella, limited in vitro growth in macrophages from chicken peritoneal exudates, trophozoites and first generation schizonts developed; possible means for study of cellular immune responses

Immunity, Cell-mediated
Longstaffe, J. A., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 150 [Abstract]
T[rypanosoma] b. brucei-infected guinea pigs, immunodepression in trypanosomiasis, attempts to characterize response of thymus-dependent lymphocytes

Immunity, Cell-mediated
Longstaffe, J. A., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 273-274 [Abstract]
trypanosomes, effects on cultured mouse spleen macrophages, occurrence of both activation and dilution of cells

Immunity, Cell-mediated
Love, R. J.; Ogilvie, B. M.; and McLaren, D. J., 1976, Immunology, v. 30 (1), 7-15
Trichinella spiralis, duration of infections in rats (young, adult, and lactating), rapidity of expulsion from previously infected rats, transfer of immunity with antiserum and lymph node cells, ultrastructural signs of antibody damage to worms, results suggest that mechanism of immune expulsion requires both antibody and cells, comparison with Nippostrongylus brasiliensis

Immunity, Cell-mediated
Mackaness, G. B., 1977, Advances Exper. Med. and Biol., v. 93, 65-73
cellular immunity and parasites, review: nature of cell-mediated immunity (CMI), identifying important antigens, how to induce CMI, regulation of T-cell activity, importance of vigorous T-cell response, criteria by which to judge the importance of CMI in host resistance in infection

Immunity, Cell-mediated
Maddison, S. E.; Hicklin, M. D.; and Kagan, I. G., 1976, Exper. Parasitol., v. 39 (1), 29-39
Schistosoma mansoni, Macaca mulatta, delayed hypersensitivity and reduction in clinical manifestations and in worm burdens conferred by serum and transfer factor from immune or normal rhesus monkeys, results suggest intimate interaction between cellular and humoral immune mechanisms in this host-parasite model

Immunity, Cell-mediated
Mahmoud, A. A. F.; et al., 1975, J. Immunol., v. 114 (1, Pt. 2), 279-283
Schistosoma mansoni, mice, niridazole at low doses suppressed granuloma formation around eggs and inhibited delayed footpad swelling in mice previously sensitized with eggs

Immunity, Cell-mediated
Mahmoud, A. A. F.; Strickland, G. T.; and Warren, K. S., 1977, J. Infect. Dis., v. 135 (3), 408-413
possible toxoplasmosis induced immunosuppression of cell-mediated immune response in Schistosoma mansoni-infected mice (exper.), mice with combined infections showed smaller hepatic granulomas and lower mean portal pressures than those with only schistosomal infections

Immunity, Cell-mediated
Mahmoud, A. A. F.; and Warren, K. S., 1974, J. Immunol., v. 112 (1), 222-228
Schistosoma mansoni, mice, anti-inflammatory effects of tartar emetic and niridazole, suppression of schistosome egg granuloma

Immunity, Cell-mediated
Mansfield, J. M.; Craig, S. A.; and Stelzer, G. T., 1976, Infect. and Immun., v. 14 (4), 976-981
Trypanosoma brucei, T. congolense, mitogenic effects of trypanosome extracts in vitro for lymphocytes from normal rabbits, possible relationship to immunological dysfunctions occurring in chronic African trypanosomiasis

Immunity, Cell-mediated
Mansfield, J. M.; and Kreier, J. P., 1972, Infect. and Immun., v. 6 (1), 62-67
Trypanosoma congolense, rabbits (exper.), Arthus-type immediate hypersensitivity reactions demonstrated, no cell-mediated hypersensitivity reactions observed, role of immediate-type skin reaction in pathology of infection and possible use in diagnosis

Immunity, Cell-mediated
Mauel, J.; and Behin, R., 1974, Transplant. Rev., v. 19, 121-146
cell-mediated and humoral immunity to protozoan infections (leishmaniasis, malaria, trypanosomiasis), review

Immunity, Cell-mediated
Mazaud, R.; Pelloux, H.; and Ferrus, R., 1974, Medecine Trop., v. 34 (1), 7-24
Brugia malayi, Fasciola hepatica, humans, cardiovascular complications resulting from cell-mediated immunity

Immunity, Cell-mediated
Meerovitch, E.; and Ackerman, S. J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (5), 417 [Letter]
pre-existing Trichinella spiralis infection in rats (exper.) greatly reduced by level of Trypanosoma lewisi parasitemia, possible cell-mediated immune reaction

Immunity, Cell-mediated
Molinari, J. A.; Cypess, R. H.; and Appel, B. N., 1975, Internat. Arch. Allergy and Applied Immunol., v. 48 (6), 776-783
Trichinella spiralis- and/or BCG-infected mice, histopathologic changes in thymus, possible relation to functional alterations of immune system

Immunity, Cell-mediated
Molinari, J. A.; and Ebersole, J. L., 1976, Abst. Ann. Meet. Am. Soc. Microbiol., 84
Trichinella spiralis, mice, nematode induced potentiation of delayed hypersensitivity, induces stimulation of host anti-neoplastic activity

Immunity, Cell-mediated
Molinari, J. A.; and Ebersole, J. L., 1977, Internat. Arch. Allergy and Applied Immunol., v. 55 (1-6), 444-448
Trichinella spiralis, mice, antineoplastic effects of long-term infection on B-16 melanoma, apparently related to potentiation of cellular immune response

Immunity, Cell-mediated
Molinari, J. A.; and Ebersole, J. L., 1977, Internat. Arch. Allergy and Applied Immunol., v. 55 (1-6), 449-457
Trichinella spiralis-induced immunopotentiation of delayed-type hypersensitivity reactions to BCG, in vitro responses of spleen cells from infected mice

Immunity, Cell-mediated
Montufar, O. M. B.; et al., 1977, J. Clin. Microbiol., v. 5 (4), 401-404
Trypanosoma cruzi, chronic infections in humans, comprehensive assessment of cellular immunity in vivo and in vitro, concluded that chronic infection not associated with deficiency in cellular immunity and does not lead to it

Immunity, Cell-mediated
Moore, D. L.; Heyworth, B.; and Brown, J., 1974, Clin. and Exper. Immunol., v. 17 (4), 647-656
phytohaemagglutinin-induced lymphocyte transformation in leucocyte cultures from malarious, malnourished, and control Gambian children, some depression of response to low doses of PHA in children with malaria

Immunity, Cell-mediated
Muhammed, S. I.; Lauerman, L. H., jr; and Johnson, L. W., 1975, Am. J. Vet. Research, v. 36 (4), Part 1, 399-402
Theileria parva, cattle experimentally infected with standardized suspensions of infected Rhipicephalus appendiculatus, treatment with immune serum or concentrated immune globulins, no effect on establishment of infection nor clinical and hematologic changes, immunity seen in cattle recovered from East Coast fever is therefore probably cell-mediated

Immunity, Cell-mediated
Muhammed, S. I.; Wagner, G. G.; and Lauerman, L. H., jr., 1974, Immunology, v. 27 (6), 1033-1037
Theileria parva, cattle, leucocyte migration inhibition as model for demonstration of sensitized cells in East Coast fever

Immunity, Cell-mediated
Ngu, J. L.; and Blackett, K., 1976, Trop. and Geogr. Med., v. 28 (2), 111-120
Onchocerc[a] volvulus in humans, immunologic studies attempting to delineate role of humoral and cellular immune responses in the heterogeneity of onchocercal lesions

Immunity, Cell-mediated
Ngwenya, B. Z., 1976, Cellular Immunol., v. 24 (1), 116-122
Trichinella spiralis, effect of lactation on cell-mediated immunity, cell transfer studies with lactating and non-lactating mice, lactogenic hormones apparently suppressed expression of adoptive immunity

Immunity, Cell-mediated
Niederkorn, J. Y., 1977, J. Parasitol., v. 63 (6), 1130-1132
Mesocestoides corti, mice, adoptive transfer of protective immunity against tetrathyridia by spleen cells, indicates possible role of cell-mediated immunity

Immunity, Cell-mediated
Nogueira, N.; Gordon, S.; and Cohn, Z., 1977, J. Exper. Med., v. 146 (1), 157-171
Trypanosoma cruzi, mice, modification of macrophage function during infection, microbicidal activity against trypomastigotes, other parameters of macrophage activation (secretion of plasminogen activator and phagocytosis mediated by C3 receptor)

Immunity, Cell-mediated
Nogueira, N.; Gordon, S.; and Cohn, Z., 1977, J. Exper. Med., v. 146 (1), 172-183
normal unstimulated macrophages can be activated in vitro by lymphocyte product(s) derived from interaction of sensitized peritoneal or spleen cells with Trypanosoma cruzi antigen, activation is expressed as secretion of high levels of macrophage plasminogen activator and requires thymus-derived lymphocytes

Immunity, Cell-mediated
Novak, M., 1977, J. Parasitol., v. 63 (3), 587-588
Mesocestoides corti, mice, transfer of immunity against tetrathyridia by sensitized spleen cells

Immunity, Cell-mediated
Oberlin, U. P.; and Weiss, N., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, part 1), 1178-1182
Schistosoma mansoni, hamsters (exper.), cell-mediated immune response to soluble egg antigens (SEA) determined by measuring size of granuloma formations in vivo and lymphocyte transformation reaction in vitro; humoral immune response estimated by measuring anti-SEA antibody titer in serum

Immunity, Cell-mediated
Ogilvie, B. M.; et al., 1977, Immunology, v. 32 (4), 521-528
Nippostrongylus brasiliensis, rats, cellular requirement for worm expulsion, results suggest that following antibody damage this nematode is expelled by nonimmunoglobulin-bearing lymphocytes which are effective in the absence of newly formed cells derived from the cell recipients

Immunity, Cell-mediated
Ogilvie, B. M.; and Love, R. J., 1974, Transplant. Rev., v. 19, 147-169
immune mechanisms in Nippostrongylus brasiliensis-rat model, co-operation between antibodies and cells in immune expulsion, review

Immunity, Cell-mediated
Opuni, E. K.; and Muller, R. L., 1975, J. Helminth., v. 49 (3), 199-204
Spirometra theileri, mice, attempted immunization with 3 procedures (antigen plus adjuvant, antigen alone, active infection), none conferred absolute immunity but gave some protection, serological and histological findings indicate involvement of both cellular and humoral elements

Immunity, Cell-mediated
Ortiz-Ortiz, L.; et al., 1975, Clin. Immunol. and Immunopathol., v. 4 (1), 127-134
patients with amebic abscess of liver, diminished cell-mediated immunity to Entamoeba histolytica antigens when tested by skin tests and for migration-inhibition factor production, skin reactions to unrelated antigen were normal, 10 days after hospital discharge cell-mediated immune responses to E. histolytica antigen were normal, antibodies were present in sera at all stages

Immunity, Cell-mediated
Ortiz-Ortiz, L.; et al., 1976, Internat. Arch. Allergy and Applied Immunol., v. 50 (2), 232-242
Trypanosoma cruzi-infected mice, development of nonspecific resistance to challenge with Listeria monocytogenes, association with increased mononuclear phagocytic activity

Immunity, Cell-mediated
Ottesen, E. A.; Smith, T. K.; and Kirkpatrick, C. H., 1975, Internat. Arch. Allergy and Applied Immunol., v. 49 (3), 396-410
Trichinella spiralis, mice, chronic infection, cellular immune responsiveness, sequential development of antigen-reactive cells in various lymphoid cell populations, antibody responses (haemagglutination titers, homocytotropic antibody)

Immunity, Cell-mediated
Ottesen, E. A.; Weller, P. F.; and Heck, L., 1977, Immunology, v. 33 (3), 413-421
Wuchereria bancrofti, human, antigen-specific cellular immune unresponsiveness, unchanged 2 weeks after diethylcarbamazine treatment, this immunologic deficit may be of fundamental importance in pathogenesis of filarial disease: Mauke. Cook Islands

Immunity, Cell-mediated
Ourth, D. D.; Lunde, M. N.; and Watson, R. R., 1976, Ztschr. Immunitaetsforsch., v. 151 (3), 254-262
Toxoplasma gondii, guinea pigs, demonstration of delayed hypersensitivity by macrophage migration inhibition, skin-testing, and lymphocyte transformation

Immunity, Cell-mediated
Owor, R.; and Wamukota, W. M., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 497-499
Strongyloides stercoralis in man, fatal overwhelming strongyloidiasis associated with pyogenic meningitis and presence of larvae in meninges, probably depression of cellular immunity (unknown cause) contributed to fatal infection: Uganda

Immunity, Cell-mediated
Parashar, A.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (6), 474-480
Plasmodium berghei, mice, passive transfer experiments confirm that protection against infection involves both humoral and cellular immune reactions and response to 'processed antigen' produced by sensitized cells, possibly macrophages

Immunity, Cell-mediated
Pelley, R. P.; Ruffier, J. J.; and Warren, K. S., 1976, Infect. and Immun., v. 13 (4), 1176-1183
Schistosoma mansoni, mice, suppressive effect of infection at various time periods on in vitro responses of spleen and lymph node cells to T cell mitogens (phytohemagglutin and concanavalin A), findings consistent with existence of suppressor T cells in chronic schistosomiasis, possible role in spontaneous modulation of immunopathology

Immunity, Cell-mediated
Pelster, B., 1975, Ztschr. Parasitenk., v. 48 (2), 95-110
Toxoplasma gondii, immunized mice, superinfection not causing death, cellular immune reactions, mouse exudate containing high percentage of lymphocytes; peritoneal exudate cells incubated in vitro with trophozoites cause their death by lysis

Immunity, Cell-mediated
Pelster, B.; Piekarski, G.; and Suzuki, N., 1976, Ztschr. Parasitenk., v. 49 (2), 113-125
Toxoplasma gondii, mice, virulent and avirulent strains, histopathological changes in thymus

Immunity, Cell-mediated
Perez, M.; Carson, C. A.; and Ristic, M., 1977, Vet. Parasitol., v. 3 (2), 161-167
Babesia microti, hamsters, cell-mediated immune response measured by leukocyte migration inhibition test, comparison with humoral antibody measurements using indirect fluorescent antibody test

Immunity, Cell-mediated
Phillips, S. M.; et al., 1977, J. Immunol., v. 118 (2), 594-599
Schistosoma mansoni in congenitally athymic (nude) mice, thymic dependency of eosinophilia, granuloma formation, and host morbidity

Immunity, Cell-mediated
Phillips, S. M.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 48-53
Schistosoma mansoni, rats, cellular and humoral immune response, review of work with interpretations, workshop report

Immunity, Cell-mediated
Playfair, J. H. L.; de Souza, J. B.; and Cottrell, B. J., 1977, Immunology, v. 32 (5), 681-687
Plasmodium spp., Babesia microti, mouse helper T-cell response to parasites measured by using them as carriers for a standard hapten, results show extensive cross-reaction between the 4 parasites as carriers apparently unrelated to known serological cross-reactions but are against the idea that helper T-cells are exclusively responsible for resistance

Immunity, Cell-mediated
Poels, L. G.; et al., 1977, Exper. Parasitol., v. 42 (1), 182-193
Plasmodium berghei, active immunization of chloroquine-protected mice, immunofluorescence and immunoperoxidase studies, transfer of malaria-immunized spleen cells and/or serum, priming with immune spleen cells, evidence for selective release of protective antigens during course of infection

Immunity, Cell-mediated
Portaro, J. K.; et al., 1977, J. Parasitol., v. 63 (1), 172-174
differential response of Brugia pahangi-sensitized splenocytes to antigens from Brugia pahangi, Dirofilaria immitis, and Trichinella spiralis, possible diagnostic use

Immunity, Cell-mediated
Portaro, J. K.; Britton, S.; and Ash, L. R., 1976, Exper. Parasitol., v. 40 (3), 438-446
Brugia pahangi in Meriones unguiculatus, depressed reactivity of splenocytes to mitogens phytohemagglutinin and concanavalin A, data suggest this depression is cell-mediated

Immunity, Cell-mediated
Portaro, J. K.; Kowalski, J. C.; and Ash, L. R., 1977, Exper. Parasitol., v. 43 (1), 122-127
adaptation of Meriones unguiculatus lymphocytes to an in vitro microassay system, use in study of cellular immune function with mitogens, mitogen reactivity decreased with jird age and was depressed by infection with Brugia pahangi

Immunity, Cell-mediated
Pouliot, P.; Viens, P.; and Targett, G. A. T., 1977, Clin. and Exper. Immunol., v. 27 (3), 507-511
Trypanosoma musculi, transfer of spleen cells to T cell-deprived mice restored their ability to control infection, treatment of cells in vitro with anti-θ serum did not impair their ability to restore immunocompetence

Immunity, Cell-mediated
Poulter, L. W., 1976, Cellular Immunol., v. 27 (1), 17-25
Leishmania enriettii, guinea pigs, effect of lymphokine contact in vitro on level of glucose oxidation and migrating ability of macrophages taken from animals during infection and after re-infection, relation to role of macrophages in recovery from infection and subsequent immunity

Immunity, Cell-mediated
Preston, P. M.; Dumonde, D. C., 1976, Clin. and Exper. Immunol., v. 23 (1), 126-138
Leishmania tropica in CBA mice as experimental model of leishmaniasis in man: relationship of inoculum dose to size and duration of lesions, antibody production, and delayed hypersensitivity responses; infections manifest both during and after healing stages; immunization with sonicated promastigotes; lymphoid cells from immune mice conferred protection upon recipients

Immunity, Cell-mediated
Purvis, A. C., 1977, Parasitology, v. 75 (2), 197-205
Babesia microti, mice, temporary immunodepression of humoral immune response to sheep red blood cells, cell-mediated responses apparently unaffected, phagocytic activity is increased

Immunity, Cell-mediated
Ramalho-Pinto, F. J.; et al., 1976, Clin. and Exper. Immunol., v. 26 (2), 327-333
Schistosoma mansoni, carrier effect used to assay 11 antigenic preparations for helper T-cell priming against surface components of schistosomula, mice

Immunity, Cell-mediated
Rank, R. G.; Roberts, D. W.; and Weidanz, W. P., 1977, Infect. and Immun., v. 16 (2), 715-716
Trypanosoma musculi in congenitally athymic nude mice, chronic infection with consistently elevated parasitemia, thymic reconstitution restores immunity

Immunity, Cell-mediated
Rau, M. E.; and Tanner, C. E., 1976, Internat. J. Parasitol., v. 6 (3), 195-198
Echinococcus multilocularis in Sigmodon hispidus, protoscolicidal activity of peritoneal cells and sera from hosts bearing large hydatid cysts, results suggest that phenomenon whereby established cysts suppress challenging inocula has an immunollogical component in which both humoral and cellular responses may participate

Immunity, Cell-mediated
Reisen, W. K.; and Hillis, T. C., 1975, J. Parasitol., v. 61 (5), 937-940
Plasmodium berghei, failure to protect mice with footpad injections of killed parasites incorporated in complete Freund's adjuvant, possible explanations for failure to immunize

Immunity, Cell-mediated
Remington, J. S.; Krahenbuhl, J. L.; and Mendenhall, J. W., 1972, Infect. and Immun., v. 6 (5), 829-834
activated macrophages from mice which were chronically infected with Toxoplasma gondii or Besnoitia jellisoni or which had received Freund complete adjuvant had enhanced capacity to kill intracellular Toxoplasma

Immunity, Cell-mediated
Richharia, V. S.; Jeska, E. L.; and Greve, J. H., 1975, J. Parasitol., v. 61 (6), 1113-1115
Ascaris suum, swine (exper.), demonstration of true delayed hypersensitivity responses

Immunity, Cell-mediated
Rickard, M. D.; and Katiyar, J. C., 1976, Parasitology, v. 72 (3), 269-279
Taenia pisiformis, partial purification of antigens collected during in vitro cultivation, differential performance in intradermal skin test and rabbit immunization tests suggests that protective antigens and those provoking cell-mediated reactions may be different ones

Immunity, Cell-mediated
Ristic, M., 1976, Vet. Parasitol., v. 2 (1), 31-47
intracellular blood protista: intraerythrocytic behavior, transfer, and circulatory clearance; survival and development within macrophages; persistence of organism in immunologically hostile host; immune responses and protection; serodiagnosis; vaccination

Immunity, Cell-mediated
Ristic, M.; and Carson, C. A., 1977, Advances Exper. Med. and Biol., v. 93, 151-188
bovine anaplasmosis, immunoprophylaxis, review: Anaplasma marginale, biologic properties, antigenic and serologic studies, persistence in immunologically hostile host, various immunogens, immune responses to inactivated A. marginale vaccines, immune response to live attenuated and virulent A. marginale, vaccination studies with attenuated A. marginale, proposed mechanism of protection induced by this vaccine, statistical analysis, application for prevention of anaplasmosis

Immunity, Cell-mediated
Ristic, M.; and Nyindo, M. B. A., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 66-70
Anaplasma marginale, cows inoculated with attenuated vaccine, humoral (complement fixing and agglutinating antibodies) and cell-mediated (macrophage migration inhibition test) immune responses, results demonstrate correlation between cell-mediated immunity and protection

Immunity, Cell-mediated
Roberson, E. L.; and Hanson, W. L., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 338 [Letter]
Trypanosoma cruzi-infected rats (exper.), passive transfer of immunity using spleen cells from sensitized donors evidenced by significantly lower parasitemia and reduced mortalities

Immunity, Cell-mediated
Roberts, C. O.; Chaparas, S. D.; and McLaughlin, D., 1976, Tr. Am. Micr. Soc., v. 95 (3), 470-482
Toxoplasma gondii, plaque assay technique used to (1) select best tissue culture system for studying progress of infection, (2) assess effect of drugs and antibiotics, (3) observe effect of immune sera on tissue culture infection, and (4) investigate cellular hypersensitivity by in vivo and in vitro systems

Immunity, Cell-mediated
Rogers, R.; et al., 1975, Ann. Trop. Med. and Parasitol., v. 69 (1), 77-84
Brugia pahangi, cats, histological changes in lymph nodes characteristic of cell-mediated and antibody-type immunological responses

Immunity, Cell-mediated
Rose, M. E., 1977, Exper. Parasitol., v. 42 (1), 129-141
Eimeria tenella, chickens injected in wattle with different antigens, skin hypersensitivity measured at intervals throughout immunization by infection and also after injection of antigens in Freund's complete adjuvant, attempted transfer of skin hypersensitivity with serum or cells, correlation of skin hypersensitivity with in vitro tests

Immunity, Cell-mediated
Ruitenberg, E. J., 1977, Trop. and Geogr. Med., v. 29 (3), 319 [Abstract]
Trichinella spiralis-infected nude mice, failure of infections to induce gut mast cell response; both gut and blood eosinophils increased during infection, the phenomenon being T-cell dependent

Immunity, Cell-mediated
Ruitenberg, E. J.; et al., 1977, Immunology, v. 33 (4), 581-587
Trichinella spiralis, comparison of infection in congenitally athymic (nude) mice and their heterozygous thymus-bearing littermates: expulsion of adult worms; yield of muscle larvae; production of specific antibodies; number of pyroninophilic cells, intra-epithelial lymphocytes, and eosinophils in small intestine; blood eosinophilia; data support thymus dependence of worm expulsion, plasma cell and antibody production, and tissue and blood eosinophilia

Immunity, Cell-mediated
Ruitenberg, E. J.; and Elgersma, A., 1976, Nature (5583), v. 264, 258-260
Trichinella spiralis, congenitally athymic mice, absence of intestinal mast cell response, results indicate T-cell dependence of host protection

Immunity, Cell-mediated
Ryning, F. W.; and Remington, J. S., 1977, Infect. and Immun., v. 18 (3), 746-753
Toxoplasma gondii, role for activated macrophage as effector in resistance of lung to infection

Immunity, Cell-mediated
Saunders, E. B., 1977, Vet. Med. and Small Animal Clin., v. 72 (5), 879-881
hyposensitization of animals with immediate and delayed hypersensitivity to flea bites

Immunity, Cell-mediated
Schenkel, R. H.; et al., 1975, J. Parasitol., v. 61 (3), 549-550
Plasmodium knowlesi, rhesus monkeys, immunization with lyophilized antigen plus Adjuvant 65 and BCG afforded same protection as antigen plus Freund's Complete Adjuvant, results suggest important role for cell-mediated immunity in vaccine-induced protection against malaria

Immunity, Cell-mediated
Schmunis, G. A.; et al., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (1), 81-85
Trypanosoma cruzi, mice inoculated with epimastigotes or trypomastigotes, development of cell mediated immunity as shown by inhibition of macrophage migration

Immunity, Cell-mediated
Seah, S. K. K.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 63-69
Trypanosoma cruzi, acute infection in exper. rhesus monkeys, vaccination with killed extract of cultural forms produced circulating antibodies and induced delayed hypersensitivity but monkeys still developed sustained parasitemia, changes in IgM and other hematologic responses

Immunity, Cell-mediated
Seitz, H. M., 1976, Tropenmed. u. Parasitol., v. 27 (2), 197-201
Plasmodium berghei infections in neonatally thymectomized mice showed same infection patterns as normal infected mice; cell transfer experiments were unsuccessful in transferring immunity from immune to non-immune animals by transfer of lymphoid cells but acquired immunity destroyed by irradiation could be restored by injection of immune spleen and lymphnode cells

Immunity, Cell-mediated
Sethi, K. K.; et al., 1975, J. Immunol., v. 115 (4), 1151-1158
Toxoplasma gondii, immunity induced in vitro in non-immune mouse macrophages with specifically immune lymphocytes

Immunity, Cell-mediated
Sharma, J. K.; Anaraki, F.; and Ala, F., 1977, Scand. J. Immunol., v. 6 (11), 1101-1106
in vitro lymphoblast transformation of unsensitized lymphocytes to Leishmania major antigen in presence of leishmania-specific and -nonspecific transfer factor, results clearly substantiate in vitro specificity of transfer factor

Immunity, Cell-mediated
Sheahan, B. J., 1975, J. Comp. Path., v. 85 (1), 97-110
Sarcoptes scabiei, iron-treated vs. iron-deprived pigs (exper.), histological, histochemical, and ultrastructural changes at skin sites, immediate and delayed hypersensitivity reactions

Immunity, Cell-mediated
Sher, A., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 20-28
Schistosoma mansoni, mice, effector mechanism of acquired resistance is manifestation of antibody-dependent cell-mediated immunity, workshop report

Immunity, Cell-mediated
Sher, A.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 909-916
Schistosoma mansoni, presence of eosinophil-dependent cytotoxic antibodies (EDCA) in human serum, attempted correlation of levels of EDCA activity with intensity and duration of schistosome infections and with lymphocyte blastogenic response to soluble schistosome antigens

Immunity, Cell-mediated
Shirahata, T.; Shimizu, K.; and Suzuki, N., 1975, Japan. J. Vet. Sc., Tokyo, v. 37 (3), 235-243
Toxoplasma gondii, in vitro, lymphocyte-mediated immunity, results suggest resistance to and microbicidal activity upon Toxoplasma parasites may be conferred to macrophages by culture supernatant from immune lymphocytes reacting with Toxoplasma antigen

Immunity, Cell-mediated
Shirahata, T.; Shimizu, K.; and Suzuki, N., 1976, Ztschr. Parasitenk., v. 49 (1), 11-23
Toxoplasma, effects of immune lymphocyte products and serum antibody on parasite multiplication in murine peritoneal macrophages

Immunity, Cell-mediated
Singh, D. K.; Jagdish, S.; and Gautam, O. P., 1977, Research Vet. Sc., v. 23 (3), 391-392
Theileria annulata, cattle, cell-mediated immunity demonstrated using leucocyte migration inhibition test and delayed skin hypersensitivity reaction

Immunity, Cell-mediated
Sless, F.; et al., 1975, J. Protozool., v. 22 (3), 56A-57A [Abstract]
Trypanosoma brucei, mice treated with cyclophosphamide 2 days after infection developed high non-relapsing parasitaemia, mice treated 3 days before infection developed significantly lower parasitaemia than controls apparently due to increase in delayed hypersensitivity

Immunity, Cell-mediated
Smith, M. D., 1977, Parasitology, v. 75 (1), 119-123
Schistosoma mansoni, mice, ultrastructural development of schistosome egg granuloma, delayed hypersensitivity response predominates during early stages but as the infection proceeds circulating antibody appears and granulomatous response is mediated by immune-complex reaction possibly of Arthus type

Immunity, Cell-mediated
Smrkovski, L. L.; and Larson, C. L., 1977, Infect. and Immun., v. 16 (1), 249-257
Leishmania donovani, BALB/c mice, BCG immunization, prophylactic and therapeutic effect, influence of timing and of route of injection

Immunity, Cell-mediated
Smrkovski, L. L.: and Larson, C. L., 1977, Infect. and Immun., v. 18 (2), 561-562
Leishmania donovani, antigenic cross-reactivity with Mycobacterium bovis demonstrated using delayed hypersensitivity as a criterion

Immunity, Cell-mediated
Solomon, G. B.; and Grigonis, G. J., jr., 1976, Exper. Parasitol., v. 40 (2), 298-307
Capillaria hepatica, changes in egg shell structure following collection of eggs by physical methods or after passage through mouse gastrointestinal tract, relationship to origin and release of antigens contributing to immunological response during granuloma fromation; hypothesis concerning exper. egg granuloma formation, maintenance of homeostasis of eggs in situ, and possible modes of action which trigger development

Immunity, Cell-mediated
Souza, M. do C.; et al., 1974, J. Protozool., v. 21 (4), 579-584
living culture forms of Leptomonas pessoai cross-protected mice against Trypanosoma cruzi challenge infection, circulating antibodies detected in immunized mice by immunodiffusion, passive haemagglutination, complement fixation, and antibody binding assay which cross-reacted with T. cruzi extracts, cellular immune response indicated by leucocyte migration inhibition

Immunity, Cell-mediated
Spitalny, G. L.; et al., 1977, Exper. Parasitol., v. 42 (1), 73-81
Plasmodium berghei, mice, effect of T cell deprivation on sporozoite immunization, eliminated or reduced capacity to develop protection, sporozoite-neutralizing activity, or circumsporozoite antibodies, capacity fully restored by giving thymocytes prior to immunization, data demonstrate T cell dependence of sporozoite-induced immunity

Immunity, Cell-mediated
Stadtsbaeder, S.; and Nguyen, B. T., 1977, Ann. Immunol., v. 128C (1-2), 149-150
Toxoplasma gondii, susceptibility of nude mice to infection was same as controls, vaccination of nude mice conferred incomplete immunity

Immunity, Cell-mediated
Stadtsbaeder, S.; Nguyen, B. T.; and Calvin-Preval, M. C., 1975, Ann. Immunol., v. 126C (4), 461-474
Toxoplasma gondii, mice, immunization with living parasites concomitant to cotrimoxazol treatment, phagocytosis/penetration and intracellular multiplication of Toxoplasma in normal or immune macrophages in the absence or presence of specific antibodies

Immunity, Cell-mediated
Stahl, W.; et al., 1976, Exper. Parasitol., v. 39 (1), 135-142
Toxoplasma gondii, disease patterns in methotrexate-treated mice, examination of several time- and dose-dependent drug regimes, immunosuppressive effect when administered early in infection, potential use as experimental model for clinical toxoplasmosis

Immunity, Cell-mediated
Styles, T. J.; et al., 1974, J. Protozool., v. 21 (3), 422 [Abstract]
Trypanosoma lewisi, rats, results tend to indicate that T cells and their products are not of major significance in immune response

Immunity, Cell-mediated
Subrahmanyam, D.; et al., 1976, Nature, London (5551), v. 260, 529-530
Litomosoides carinii, mechanism of leukocyte adhesion in vitro, mediated by serum factor, accompanied by cytotoxic effect on microfilariae, results implicate both humoral and cellular factors in destruction of microfilariae

Immunity, Cell-mediated
Szarfman, A.; et al., 1977, Tropenmed. u. Parasitol., v. 28 (3), 333-341
Trypanosoma cruzi-infected mice (exper.), effect of previous inoculation by epimastigotes of Trypanosoma cruzi upon the resistance of mice against challenge with trypomastigotes; survival rate and parasitemia dependent on previous number of epimastigotes inoculated and on number of trypomastigotes used for challenge; evidence suggests that cell-mediated anamnestic response may be triggered by reinfection

Immunity, Cell-mediated
Takahashi, K.; Yamashita, S.; and Shimizu, Y., 1975, Japan. J. Vet. Sc., Tokyo, v. 37 (5), 295-301
Theileria sergenti, cattle, indirect fluorescent antibody test; relationship of varying antibody titer to course of infection and clinical signs; severe infection in splenectomized calves with no antibody developed; resistance to challenge infection in previously infected calves; recrudescence of infection in calves given corticosteroids; possible humoral factor in immune mechanism and cell-mediated immunity relationship to relapse

Immunity, Cell-mediated
Takayanagi, T.; and Nakatake, Y., 1976, Exper. Parasitol., v. 39 (2), 234-243
Trypanosoma gambiense, mice, immunologic responses to infection in thymectomized lethally-irradiated recipients of passively transferred thymic cells sensitized with parasitic antigens in vivo, enhanced agglutinin production and protection and phagocytosis

Immunity, Cell-mediated
Tanaka, H.; et al., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (1), 19-26
Litomosoides carinii in Sigmodon hispidus (exper.), suppression of microfilaricidal activity of diethylcarbamazine by anti-lymphocyte and anti-thymocyte serum establishes role of lymphocytes in mechanism of drug action

Immunity, Cell-mediated
Taylor, M. M.; and Turton, J. A., 1976, Tropenmed. u. Parasitol., v. 27 (1), 89-92
Necator americanus, cell-mediated immunity in man demonstrated by antigen-induced lymphocyte blastogenesis

Immunity, Cell-mediated
Teixeira, A. R. L., 1977, Advances Exper. Med. and Biol., v. 93, 243-280
Trypanosoma cruzi, immunoprophylaxis, review: life cycle in vector and host; clinical manifestations of Chagas' disease; mechanisms of resistance (natural and acquired immunity, humoral and cell-mediated); autoimmunity; antigenic structure; live vaccines; dead vaccines; perspectives for further studies

Immunity, Cell-mediated
Teixeira, A. R. L.; and Santos-Buch, C. A., 1975, Immunology, v. 28 (3), 401-410
Trypanosoma cruzi, rabbits, strong delayed hypersensitivity skin reactions to 2 subcellular fractions from homogenates of suspensions of trypomastigote and amastigote forms, immediate reactions also seen, cell-mediated immunity assayed by experiments which established passive transfer, inhibition of blood mononuclear cell migration, and blast transformation by sensitized lymphocytes

Immunity, Cell-mediated
Vattuone, N. H.; et al., 1974, Tropenmed. u. Parasitol., v. 25 (3), 267-272
Trypanosoma cruzi, mice infected with epimastigotes or trypomastigotes of 3 different strains, cell mediated and humoral immune responses, characterization of antibodies according to criterion of 2-mercaptoethanol sensitivity

Immunity, Cell-mediated
de la Vega, M. T.; Damilano, G.; and Diez, C., 1976, J. Parasitol., v. 62 (1), 129-130
chronic Trypanosoma cruzi-infected humans, positive leukocyte migration inhibition test with heart antigens, results suggest cell-mediated immune response against heart tissue could participate in mechanism of myocardial damage in Chagas' disease

Immunity, Cell-mediated
Veress, B.; et al., 1977, Immunology, v. 33 (5), 605-610
human visceral leishmaniasis, 20 fatal cases, histological appearances of spleen and lymph nodes were suggestive of profound disturbance in cell-mediated immunity, depletion of small lymphocytes in thymus-dependent areas accompanied by abundance of parasite-containing histiocytes and hyperplasia of plasma cells

Immunity, Cell-mediated
Vernes, A.; et al., 1972, Path. Biol., v. 20 (1-2), 23-29
fascioliasis, schistosomiasis, determination of delayed hypersensitivity reactions in guinea pigs (exper.) using the macrophage migration inhibition test and intradermal skin tests; preliminary investigations of human schistosomiasis gave similar reactions

Immunity, Cell-mediated
Vernes, A.; et al., 1973, Path. Biol., v. 21 (10), 1073-1078
Schistosoma mansoni and S. haematobium in humans, correlations between macrophage migration test, intradermal tests and a macrophage spreading inhibition test for determination of cell-mediated immune reactions

Immunity, Cell-mediated
Vernes, A.; and Capron, A., 1973, Medecine et Malad. Infect., v. 3 (8-9), 321-327
evaluation of hypersensitivity in diagnosis of human helminthiasis

Immunity, Cell-mediated
Vilches, A. M.; et al., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (3), 279-284
Trypanosoma cruzi, mice, effect of heterologous anti-thymocyte serum upon course of infection, shorter survival time and higher parasitemia, no change in agglutination antibody titers, impaired resistance probably in detrimental effect of ATS upon cell-mediated immunity

Immunity, Cell-mediated
Vilde, J.-L., 1976, Path. Biol., v. 24 (2), 133-139
human parasitic diseases in patients receiving immunosuppressive therapy, pathophysiology, decrease in cellular immunity as factor, brief review

Immunity, Cell-mediated
Wakelin, D.; and Lloyd, M., 1976, Parasitology, v. 72 (3), 307-315
Trichinella spiralis, mice given mesenteric lymph node cells or serum or both from infected donors, acceleration of worm expulsion

Immunity, Cell-mediated
Wakelin, D.; and Selby, G. R., 1976, Parasitology, v. 72 (1), 41-50
Trichuris muris, immune expulsion from resistant mice, suppression by irradiation, attempts to restore by transfer of mesenteric lymph node cells, bone marrow, or immune serum, results confirm involvement of both antibody-mediated and lymphoid cell-mediated phases in immune expulsion

Immunity, Cell-mediated
Wakelin, D.; and Wilson, M. M., 1977, Parasittology, v. 74 (3), 215-224
Trichinella spiralis, mice, transfer of immunity with mesenteric lymph node cells: time of appearance of effective cells in donors; expression of immunity in recipients (worm expulsion and impaired worm reproduction may represent independent aspects of immune response)

Immunity, Cell-mediated
Wakelin, D.; and Wilson, M. M., 1977, Parasitology, v. 74 (3), 225-234
Trichinella spiralis, mice, inhibition of worm expulsion by host irradiation, attempts at reconstitution of immune response gave evidence for involvement of bone marrow-derived cell population in immune expulsion

Immunity, Cell-mediated
Warren, K. S.; et al., 1974, J. Immunol., v. 112 (3), 996-1007
Schistosoma mansoni, mice, cholera toxin profoundly suppressed cell-mediated immunologic reactivity (dermal footpad swelling to soluble egg antigens, granuloma formation around eggs, production of macrophage migration inhibition factor) and ameliorated portal hypertension and esophageal varices in hepatosplenic schistosomiasis

Immunity, Cell-mediated
Warren, K. S.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (5-6), 488-493
Schistosoma mansoni, human early established infections, attempted transfer of cellular immunity using transfer factor, negative results

Immunity, Cell-mediated
Warren, K. S.; et al., 1976, J. Infect. Dis., v. 134 (3), 277-280
Trichinella spiralis, human, murine, eosinophil stimulation promoter test, aid in diagnosis, specificity established by lack of cross-reactions with Schistosoma mansoni

Immunity, Cell-mediated
Webster, L. T., jr.; et al., 1975, N. England J. Med., v. 292 (22), 1144-1147
Schistosoma haematobium, S. mansoni, niridazole as suppressant of delayed hypersensitivity in schistosome-infected persons, no effect on immediate skin test responses; potential as immunosuppressive agent for other medical conditions

Immunity, Cell-mediated
Weinbaum, F. I.; Evans, C. B.; and Tigelaar, R. E., 1976, J. Immunol., v. 116 (5), 1280-1283
description of in vitro T cell-dependent proliferative response of immune BALB/c mouse spleen cells to Plasmodium berghei yoelii-infected syngeneic RBCs and to saline-soluble-extract prepared from schizonts

Immunity, Cell-mediated
Weinbaum, F. I.; Evans, C. B.; and Tigelaar, R. E., 1976, J. Immunol., v. 117 (5), pt. 2, 1999-2005
Plasmodium berghei yoelii, course of infection in T cell and B cell deficient mice, results establish requirement for presence of both T cells and B cells for effective resistance

Immunity, Cell-mediated
Weiss, N.; Oberlin, U. P.; and Degremont, A., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 317-321
Schistosoma haematobium, S. mansoni, stimulation of hamster and human lymphocyte cultures by soluble egg and adult worm antigen preparations

Immunity, Cell-mediated
Weissberger, H.; Spira, D. T.; and Zuckerman, A., 1973, J. Protozool., v. 20 (4), 534-535
Leishmania enriettii-infected guinea pigs, delayed hypersensitivity reactions to homologous and heterologous (L. tropica, L. donovani, L. tarentolae) antigens, skin test, blast transformation, macrophage migration inhibition

Immunity, Cell-mediated
Whitelaw, A.; Miller, J. F. A. P.; and Mitchell, G. F., 1977, Cellular Immunol., v. 32 (1), 216-222
Plasmodium berghei, delayed-type hypersensitivity response to blood cells from infected mice can be elicited in sensitized mice

Immunity, Cell-mediated
Wikel, S. K.; and Allen, J. R., 1976, Immunology, v. 30 (3), 311-316
Dermacentor andersoni, guinea pigs, development of resistance to larvae, resistance passively transferred with viable lymph node cells but not with serum

Immunity, Cell-mediated
Wikel, S. K.; and Allen, J. R., 1976, Immunology, v. 30 (4), 479-484
Dermacentor andersoni, guinea pigs, cyclophosphamide treatment, blockage of acquisition of resistance, partial blockage of expression of resistance, evidence of humoral component to resistance mechanism in addition to previously established cell-mediated component

Immunity, Cell-mediated
Wilkins, H. A.; and Brown, J., 1977, Ann. Trop. Med. and Parasitol., v. 71 (1), 59-66
Schistosoma haematobium in heavily infected population, decreased response rate in delayed hypersensitivity reactions with depressed response of lymphocytes to phytohaemagglutinin, increased IgG and IgM and presence of rheumatoid factor; concluded that chronic schistosomiasis can lead to state of partial immunosuppression: The Gambia

Immunity, Cell-mediated
Williams, D. M.; and Remington, J. S., 1977, Immunology, v. 32 (1), 19-23
Trypanosoma cruzi, capable of infecting and multiplying in human monocytes and monocyte-derived macrophages, activated macrophages inhibited intracellular multiplication of parasites and number of parasites in supernatants of activated monolayers markedly decreased

Immunity, Cell-mediated
Williams, D. M.; Sawyer, S.; and Remington, J. S., 1976, J. Infect. Dis., v. 134 (6), Dec., 610-623
mice (exper.) whose macrophages were activated by Trypanosoma cruzi or Besnoitia jellisoni were significantly more resistant to intraperitoneal challenge with T. cruzi than were controls; activated macrophages were able to inhibit completely multiplication of T. cruzi, this suggests that the macrophage may play a major role in resistance to infection

Immunity, Cell-mediated
Willms, K., 1975, Patologia, v. 13 (1), 115-125
Cysticercus cellulosae from pigs, antigens prepared from scolices induce in vitro proliferation of spleen lymphocytes from immunized and control mice, antigen mixture from scolices contains host serum proteins among them pig IgG, preliminary studies with electron microscope demonstrate presence of pig IgG on microvilli of external larval wall

Immunity, Cell-mediated
Wing, E. J.; and Remington, J. S., 1977, West. J. Med., San Francisco, v. 126 (1), 14-31
role of cell-mediated immunity (and enhancement by levamisole) in host defense against human parasitic diseases, extensive review

Immunity, Cell-mediated
Wing, E. J.; and Remington, J. S., 1977, Cellular Immunol., v. 30 (1), 108-121
Toxoplasma gondii, mice, studies on regulation of lymphocyte reactivity by normal and activated macrophages

Immunity, Cell-mediated
Wolf, R. E., 1976, J. Parasitol., v. 62 (2), 209-214
Leishmania tropica yotvata, Macaca mulatta as possible simian model of human disease, primary, secondary, and tertiary infection, clinical resistance, cellular- and humoral-immune responses, effects of antilymphocyte globulin therapy, results quantitatively and qualitatively different from those in humans

Immunity, Cell-mediated
Wolf, R. E., 1977, Clin. Immunol. and Immunopathol., v. 2 (3), 381-394
Babesia microti, effects of antilymphocyte serum and splenectomy on resistance to infection in hamsters, results suggest that although cellular immunity is major factor in host resistance humoral antibody may modify parasitemia and thus give some protection

Immunity, Cell-mediated
Wong, H. S. W.; Embil, J. A.; and Ozere, R. L., 1976, Exper. Parasitol., v. 40 (3), 421-426
Ascaris suum, Toxocara canis, guinea pigs sensitized with egg extract antigens, dermal reactivity, macrophage migration inhibition test, and lymphocyte transformation using homologous and heterologous antigens

Immunity, Cell-mediated
Wyler, D. J.; and Brown, J., 1977, Clin. and Exper. Immunol., v. 29 (3), 401-407
Plasmodium falciparum, malaria antigen-specific T-cell responsiveness not abrogated during infection, need for further work to identify basis of immunosuppression in malarial infection; possibility of acquiring sensitized T cells without experiencing clinically apparent infections

Immunity, Cell-mediated
Yoshimura, K.; et al., 1976, Japan. J. Vet. Sc., v. 38 (6), 579-593
Angiostrongylus cantonensis, guinea pigs, rats, evolution of cellular (macrophage migration inhibitory factor; delayed-type skin reactivity) and humoral (hemagglutinating and precipitating antibodies) immune responses

Immunity, Cell-mediated
Yoshimura, K.; and Soulsby, E. J. L., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 99-107
Angiostrongylus cantonensis, rats, lymphoid cell responsiveness, antibody production (reaginic and haemagglutinating)

Immunity, Cell-mediated
Yuan, L.; and Sell, K. W., 1974, Immunochemistry, v. 11 (5), 235-242
Schistosoma mansoni, guinea pigs, development of delayed hypersensitivity in response to antigens extracted from cercariae, successful transfer of cercarial delayed hypersensitivity with lymphoid cells, pronase treatment decreased immunogenicity and antigenicity of cercarial antigens suggesting that protein components play major role

Immunity, Cell-mediated
Zander, B.; and Hoerchner, F., 1976, Pathophysiol. Parasit. Infect., 241-246
Nippostrongylus brasiliensis in vitro, effect of rat macrophages and lymphocytes vs. effects of serum, results suggest that cell dependent reactions rather than humoral components are involved in immune response

Immunity, Cell-mediated
Zeledon, R.; de Ponce, E.; and Ponce, C., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 536-537 [Letter]
comparison of Montenegro skin test for delayed hypersensitivity and macrophage migration inhibition test in 3 persons with cured leishmaniasis and woman with chronic Leishmania braziliensis

Immunity, Cell-mediated
Zuckerman, A., 1977, Exper. Parasitol., v. 42 (2), 374-446
Plasmodium, immunology, extensive review: immunodiagnosis and seroepidemiology; immunopathology; antigenic analysis; host responses; immunoglobulins; cell-mediated reactions

Immunity, Cell-mediated
Zuckerman, A.; and Jacobson, R. L., 1975, J. Protozool., v. 22 (3), 73A-74A [Abstract]
Plasmodium berghei, rats, adoptive transfer of protection by spleen cells from recovered rats (untreated and pretreated with cyclophosphamide)

Immunity, Cell-mediated
Zuckerman, A.; and Jacobson, R. L., 1976, Internat. J. Parasitol., v. 6 (2), 103-106
Plasmodium berghei, rats, transfer of normal or immune spleen cells induces accelerated fluorescent antibody response, only immune cells induce protection against challenge; pre-treatment of donors with cyclophosphamide depletes spleens but affects neither antibody response nor protection-inducing potential in recipients

Immunity, Cellular. See Immunity, Cell-mediated.

Immunity, Complement
Alexander, M.; and Putzmann, L., 1974, Munchen. Med. Wchnschr., v. 116 (34), 1481-1484
human toxoplasmosis, epidemiologic survey for prevalence of infection comparing results of complement fixation and Sabin-Feldman dye test: West Berlin

Immunity, Complement
Alley, J. L.; and Christenberry, C. C., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 137-140
anaplasmosis, cattle, comparison of rapid card agglutination test with complement fixation test showed overall agreement of 93.9% for unvaccinated animals and 77.9% for vaccinated herds; demonstration that anaplasmosis can be eliminated from a herd of cattle by isolation and aureomycin treatment of infected animals detected exclusively on basis of card agglutination test results

Immunity, Complement
Anderson, R. I.; and Buck, A. A., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 447-456
complement levels in residents of rural village in relation to wide variety of clinical, laboratory, and epidemiological factors including parasitic diseases: Ouli Bangala, Republic of Chad

Immunity, Complement
Annable, C. R.; and Ward, P. A., 1974, J. Immunol., v. 112 (1), 1-8
Babesia rodhaini, rats, presence of proliferative glomerulitis, this renal complication is associated with glomerular deposits of IgG and third component of complement in pattern diagnostic for soluble immune complex-induced nephritis

Immunity, Complement
Anziano, D. F.; et al., 1972, Infect. and Immun., v. 6 (5), 860-864
Trypanosoma cruzi, role of complement in immune lysis

Immunity, Complement
Archer, G. T.; Robson, J. E.; and Thompson, A. R., 1977, Pathology, v. 9 (2), 137-153
Ascaris suum, Echinococcus granulosus, isolation from both parasites of a phospholipid capable of inducing eosinophilia and mast cell hyperplasia when injected into rats (exper.), phagocytosis found to be complement dependent and eosinophilia possibly resulted from stimulation of alternate complement pathway by the phospholipid

Immunity, Complement
Assoku, R. K. G.; Tizard, I. R.; and Nielsen, K. H., 1977, Lancet, London (8045), v. 2, 956-958
human African trypanosomiasis, hypothesis that immunosuppression may be result of collective immunosuppressive effects of trypanosome-derived immune-modulating free fatty acids, polyclonally stimulated B-cell mitogen and complement-activating factors

Immunity, Complement
Baldini, I.; Pala, V.; and Ferro, M., 1974, Pathologica (959-960), v. 66, 339-349
Ascaris lumbricoides in humans, complement fixation, passive agglutination and latex agglutination compared with direct fecal examination as means of diagnosis

Immunity, Complement
Barrowman, P. R., 1976, Onderstepoort J. Vet. Research, v. 43 (2), 55-65
Trypanosoma equiperdum in naturally infected horses, transmission studies, clinical symptoms and lesions, localization of parasite, host immune response, methods for parasite detection, varying results of chemotherapy with MSbE; attempts to infect rats, rabbits, and a dog were unsuccessful: South Africa

Immunity, Complement
Bassily, S.; et al., 1976, J. Trop. Med. and Hyg., v. 79 (11), 256-258
Schistosoma mansoni in humans, Salmonella and schistosomal associated nephrotic syndrome, pathologic changes, immunoglobulin levels and serum complement pre- and post-treatment with niridazole and ampicillin

Immunity, Complement
Benkova, M.; and Boroskova, Z., 1976, Vet. Med., Praha, v. 49, v. 21 (6), 369-373
Ascaris suum, rabbit (non-specific host), demonstration of migration phase, sensitiveness of complement-fixation and latex-fixation test

Immunity, Complement
Berden, J. H. M.; Koene, R. A. P.; and Meuwissen, J. H. E. T., 1977, Trop. and Geogr. Med., v. 29 (1), 117 [Abstract]
P[lasmodium] falciparum, case report of human with falciparum malaria and renal insufficiency due to acute tubular necrosis, conclusion that complement mediated vascular injury and intravascular coagulation secondary to this damage play important role in severity of infections

Immunity, Complement
Berenberg, J. L.; Ward, P. A.; and Sonenshine, D. E., 1972, J. Immunol., v. 109 (3), 451-456
Dermacentor variabilis, salivary gland extract generates by cleavage of C5 a chemotactic factor for neutrophils, this complement-derived factor may be important in mediating the acute inflammatory response to the tick bite

Immunity, Complement
Berger, J.; and Piekarski, G., 1976, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 236 (4), 543-558
acute Toxoplasma gondii infections, results of serological analysis, influence of standardization, comparison of complement fixation and dye tests, apparent decline in cases since 1969 due to methodological, not epidemiological factors

Immunity, Complement
Bessieres-Cathala, M. H.; et al., 1975, Medecine et Malad. Infect., v. 5 (12), 592-596
micromethod of complement fixation in diagnosis of various human parasites

Immunity, Complement
Bordjoski, A.; and Conic, V., 1973, Acta Parasitol. Iugoslavica, v. 4 (2), 99-105
Sarcocystis tenella, preparation of antigens for complement fixation test and fluorescent antibody test, survey of humans, low number of low titre positive reactions not considered conclusive proof that sarcosporidiosis does not occur in humans

Immunity, Complement
Boulanger, P.; et al., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 129-133
Anaplasma marginale, comparison of 2 complement fixation test methods (U.S. Dept. Agriculture vs. Canadian Animal Dis. Research Inst.), survey of cattle population of Southern Alberta in 1966 revealed no active infection, control of first Canadian outbreak in Manitoba in 1968 by serological identification and slaughter, surveillance exercised since 1970: Canada

Immunity, Complement
Bout, D.; et al., 1977, Immunology, v. 33 (1), 17-22
Schistosoma mansoni, humans, mice, circulating immune complexes, comparison of detection by 3 techniques ([^{125}I]C1q binding test, complement fixation test, optical density measurement)

Immunity, Complement
Bout, D.; Santoro, F.; and Capron, A., 1975, Medecine et Malad. Infect., v. 5 (12), special no., 631-636
Schistosoma mansoni, identification of circulating immune complexes in infected human serum, characterization of specific antigen

Immunity, Complement
Bower, S. M.; and Woo, P. T. K., 1977, Exper. Parasitol., v. 43 (1), 63-68
Cryptobia catostomi, use of in vitro plasma incubation test in study of host specificity (plasma of 6 refractive fishes had cryptobiacidal titers) and of host resistance mechanism (suggested that alternate pathway of complement activation is one mechanism of 'natural immunity' by vertebrates that are related to the susceptible host)

Immunity, Complement
Brzosko, W. J.; et al., 1976, National Cancer Inst. Monograph (43), 163-169
Pneumocystis carinii, infants, immunofluorescence and immunoelectron microscopic study of tissue, antibodies are essential in elimination of P. carinii through their opsonization of the organisms, disintegration of P. carinii conglomerates subsequent to binding of complement to immune complexes preceded their phagocytosis, replication of P. carinii at rate leading to clinical symptoms is due to impaired and delayed synthesis both of specific antibodies and of complement

Immunity, Complement
Buening, G. M., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 71-76
Anaplasma marginale, calves (intact, splenectomized, vaccinated, unvaccinated), comparison of results in leukocyte migration inhibition test, complement fixation test, and intradermic skin tests

Immunity, Complement
Capron, M.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (2), 248-253
Schistosoma mansoni, complement dependent cytotoxic antibodies, correlation with clinical forms of infection, levels of other specific anti-S. mansoni antibodies, delayed hypersensitivity and presence of urinary M antigen in host

Immunity, Complement
Chapman, W. E.; and Ward, P. A., 1976, J. Immunol., v. 116 (5), 1284-1288
Babesia rodhaini-infected rats, metabolism of third component of complement and IgG, development of hypocomplementemia and immune complex nephritis

Immunity, Complement
Chapman, W. E.; and Ward, P. A., 1976, J. Immunol., v. 117 (3), 935-938
Babesia rodhaini, rats, depletion of C2, C3, C4, C5, and whole complement in course of infection, no evidence of depletion in alternative (properdin) pathway, findings indicate complement is activated via classical pathway in babesiosis

Immunity, Complement
Chapman, W. E.; and Ward, P. A., 1977, Science (4285), v. 196, 67-70
Babesia rodhaini, ability to penetrate human erythrocytes depends on factors of the alternative complement pathway (properdin and factor B) as well as ionic magnesium and the third (C3) and fifth (C5) components of complement

Immunity, Complement
Daddow, K. N., 1977, Austral. Vet. J., v. 53 (3), 139-143
Eperythrozoon ovis, sheep (nat. and exper.), complement fixation test, diagnosis

Immunity, Complement
Daddow, K. N.; and Dunlop, L. B., 1976, Queensland J. Agric. and Animal Sc., v. 33 (2), 233-236
Eperythrozoon ovis, sheep, detection by complement fixation test and stained thin blood smears, ewes appeared to be source of infection for lambs, possible role of sandflies and mosquitoes in mode of transmission

Immunity, Complement
De Rosa, F.; et al., 1972, Parassitologia, v. 14 (2-3), 293-302
echinococcosis, human, complement fixation reaction, indirect hemoagglutination, comparison, epidemiological applications, case histories

Immunity, Complement
Dhar, S.; and Gautam, O. P., 1977, Indian J. Animal Sc., v. 47 (7), 389-394
Theileria annulata, calves (nat. and exper.), complement-fixation and conglutinating-complement-absorption tests, more reliable in determining latent Theileria infection than blood smear examination

Immunity, Complement
Dhar, S.; and Gautam, O. P., 1977, Indian Vet. J., v. 54 (1), 21-24
Theileria, cattle, species differentiation using complement-fixation test

Immunity, Complement
Duffus, W.P.H.; Preston, J. M.; and Staak, C. H., 1975, J. Helminth., v. 49 (1), 1-7
Schistosoma bovis, fractionation of adult worm antigen, use in complement fixation, immuno-diffusion, indirect haemagglutination and indirect haemagglutination inhibition tests, cross-reactions using sera from Fasciola gigantica-infected cattle

Immunity, Complement
Dymowska, Z.; and Sporzynska, Z., 1973, Med. Dosw. i Mikrobiol., v. 25 (4), 339-343
Toxoplasma gondii, human, evaluation of passive agglutination test for diagnosis, comparison with complement fixation and immunofluorescence

Immunity, Complement
Farid, Z.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 822-823
Entamoeba histolytica, human hepatic amoebic liver abscess as frequent cause of obscure fever, diagnosis by counterimmunoelectrophoresis and other immunoserologic techniques, metronidazole successful as initial therapy but combined with aspiration and drainage of large abscesses: Cairo, Egypt

Immunity, Complement
Felgner, P.; and Lederer, I., 1976, Tropenmed. u. Parasitol., v. 27 (2), 165-168
comparative study using complement fixation, indirect agglutination and latex agglutination tests in immunodiagnosis of amoebiasis (differently prepared antigens, specific recommendations for latex agglutination, long-term storage of sensitized sheep red cells and temperature variations)

Immunity, Complement
Flemmings, B. J.; Diggs, C. L.; and Powell, C. J., jr., 1976, Abst. Ann. Meet. Am. Soc. Microbiol., 77
Trypanosoma rhodesiense, alternative pathways of complement activation in cytotoxicity against trypanosomes by immune serum

Immunity, Complement
Gam, A. A.; and Neva, F. A., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 47-57
Trypanosoma cruzi, serodiagnosis using various epimastigote antigens and comparison with results obtained with trypomastigote-amastigote antigen prepared from cell cultures, differences between antigens demonstrated by immunoprecipitation

Immunity, Complement
Ghose, A. C.; and Rowe, D. S., 1977, Immunochemistry, v. 14 (6), 459-465
Leishmania enriettii, subcellular fractionation, antigenic activity of fractions determined by micro-complement fixation, indirect radioimmunoassay, skin testing, and in vitro lymphocyte transformation, results indicate antigenic heterogeneity and suggest that major humoral and cell-mediated components of immune response in infected guinea-pigs are directed against different antigenic determinants of the parasite

Immunity, Complement
Gravely, S. M.; and Kreier, J. P., 1974, Tropenmed. u. Parasitol., v. 25 (2), 198-206
Babesia microti, removal from infected hamster erythrocytes by continuous-flow ultrasonication, freed parasites collected by differential centrifugation, effectiveness of this system of lysis evaluated by electron microscopy and parasites evaluated serologically by complement-fixation testing, cross-reactions with sera from Plasmodium berghei-infected hamsters may be due to erythrocyte contamination

Immunity, Complement
Greenwood, B. M.; and Brueton, M. J., 1974, Clin. and Exper. Immunol., v. 18 (2), 267-272
Plasmodium falciparum, children, depression of serum complement, results suggest complement activation occurs predominantly via the classical pathway and may contribute to vascular damage

Immunity, Complement
Greenwood, B. M.; and Whittle, H. C., 1976, Clin. and Exper. Immunol., v. 24 (1), 133-138
Trypanosoma brucei gambiense, humans, evidence that complement activation plays a role in pathogenesis of Gambian sleeping sickness: low levels of complement components C3, C4, and factor B in sera, high serum IgM levels, possible formation of large molecular weight IgM complexes, increase in serum C3 levels after melarsoprol treatment

Immunity, Complement
Hajela, S. K.; Bhatia, B. B.; and Rai, D. N., 1977, Indian J. Animal Sc., v. 45 (10), 1975, 799-801
Schistosoma incognitum, pigs (exper.), complement fixation test, helpful in early diagnosis

Immunity, Complement
Hammerberg, B.; et al., 1976, Pathophysiol. Parasit. Infect., 233-240
Taenia taeniaeformis, detection and partial characterization of parasite-derived substances which are able to inhibit complement-dependent haemolysis, deplete C3 levels and generate anaphylatoxin activity in normal serum in vitro, and cause profound depression of rat serum complement in vivo; anticomplementary activity also associated with Taenia crassiceps, T. saginata, T. hydatigena, Echinococcus granulosus, and T. pisiformis

Immunity, Complement
Hammerberg, B.; Musoke, A. J.; and Williams, J. F., 1977, J. Parasitol., v. 63 (2), 327-331
Echinococcus granulosus, factors in hydatid fluid can initiate non-immunologic activation of complement in normal serum and production of anaphylatoxins, this mechanism may be involved in pathogenesis of hydatid fluid shock syndrome and may also contribute to development of non-specific reactivity in immunodiagnostic skin tests for hydatid infection

Immunity, Complement
Herd, R. P., 1976, Parasitology, v. 72 (3), 325-334
Echinococcus granulosus protoscoleces and adults, effects of complement and/or specific antibodies in vitro

Immunity, Complement
Hoshino-Shimizu, S.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 492-496
Schistosoma mansoni, human, demonstration of schistosomal antigens in kidney infections, characterization of specific antigens and antibodies localized in kidney, evidence that renal injury is mediated through immune complex disease

Immunity, Complement
Houba, V., 1976, Pathophysiol Parasit. Infect., 221-232
immunopathological mechanisms in parasitic disease, review (immune complexes; complement; autoimmunity; cell-mediated reactions; immunodepression)

Immunity, Complement
Hustead, S. T.; and Williams, J. F., 1977, J. Parasitol., v. 63 (2), 322-326
Taenia taeniaeformis, T. crassiceps, larvae, increased rate of absorption of certain macromolecules in presence of antibody and complement but substances associated with larvae in vitro can deplete functional complement levels in surrounding medium leading to restoration of normal permeability control

Immunity, Complement
Houba, V.; et al., 1976, Clin. Immunol. and Immunopathol., v. 6 (1), 1-12
Plasmodium brasilianum, P. malariae, P. falciparum, humans, Aotus monkeys, increased binding of malarial antibodies with sera, faster disappearance of this antibody from circulation, and its increased deposition in renal glomeruli, serum complement levels during progress of infection, important role of P. malariae in pathogenesis of chronic progressive nephropathies occurring in malarial areas

Immunity, Complement
Imai, J., 1972, Nettai Igaku (Trop. Med.), v. 14 (3), 111-123
Paragonimus westermani, biochemical analysis of antigens, effects of heat, protein and carbohydrate content; reactions to agar-gel diffusion, complement fixation and electrophoresis

Immunity, Complement
Jarvinen, J. A.; and Dalmasso, A. P., 1976, Infect. and Immun., v. 14 (4), 894-902
Trypanosoma lewisi, rats, role of complement in control and termination of infection is not a major one

Immunity, Complement
Jarvinen, J. A.; and Dalmasso, A. P., 1977, Infect. and Immun., v. 16 (2), 557-563
Trypanosoma musculi, course of infections in normocomplementemic, C5-deficient, and C3-depleted mice

Immunity, Complement
Jira, J.; et al., 1975, Ceskoslov. Epidemiol., Mikrobiol., Imunol., v. 24 (5), 300-303
toxoplasmosis, human, relationship between complement fixation titres and results in double agar gel diffusion test

Immunity, Complement
Jones, C. E.; et al., 1977, Exper. Parasitol., v. 42 (1), 221-234
Schistosoma japonicum, rabbits, circulating immune complexes, serum C1q and C3, semi-quantitative assessment, relationship to renal pathology and hepatic fibrosis

Immunity, Complement
Kabil, S. M., 1976, J. Trop. Med. and Hyg., v. 79 (9), 205-206
Schistosoma mansoni adult female, mouse (exper.) host complement detected in parasite tegument

Immunity, Complement
Kabil, S. M., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 283 [Demonstration]
Schistosoma mansoni, host complement in tegument of female schistosomes, possible role in protection against host immunological attacks

Immunity, Complement
Kabil, S. M.; and Woodruff, A. W., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 291 [Demonstration]
schistosomiasis, lowered amount of serum complement in infected persons suggests possible association of complement with schistosomal anemia

Immunity, Complement
Kagan, I. G.; and Norman, L. G., 1976, National Cancer Inst. Monograph (43), 121-125
Pneumocystis carinii pneumonia in humans, evaluation of serologic tests with comparison of results of immunodiffusion, immunofluorescence, complement fixation and double diffusion tests, lower level of measurable antibody in American sera in comparison to that from European laboratories

Immunity, Complement
Kassis, A. I.; Goh, S. L.; and Tanner, C. E., 1976, Internat. J. Parasitol., v. 6 (3), 199-211
Echinococcus multilocularis, protoscoleces, changes in tegument ultrastructure during complement-mediated lysis in vitro, transmission and scanning electron microscopy

Immunity, Complement
Kassis, A. I.; and Tanner, C. E., 1976, Internat. J. Parasitol., v. 6 (1), 25-35
Echinococcus granulosus and E. multilocularis protoscoleces, lysis in vitro by fresh serum; role of complement proteins in lysis suggested by inhibition of protoscolecidal activity by heat, EDTA, or cobra venom factor; anticomplementary activity of hydatid fluid (associated with calcareous corpuscles) may protect protoscoleces in vivo; suggestion that use of formalin during surgery to kill parasite should be replaced by use of fresh serum

Immunity, Complement
Kassis, A. I.; and Tanner, C. E., 1977, Exper. Parasitol., v. 43 (2), 390-395
Echinococcus multilocularis, cotton rats, strong correlation between complement depletion and rapid development of large cyst masses, complement required for control of secondary hydatid infections; determination of altered complement levels might be useful in predicting growth phase of hydatid infections

Immunity, Complement
Kassis, A. I.; and Tanner, C. E., 1977, Immunology, v. 33 (1), 1-9
Echinococcus multilocularis, demonstration of host serum proteins within cyst membranes and on surface of protoscoleces, concluded that complement-mediated lysis of this metazoan organism proceeds via classical pathway of complement activation

Immunity, Complement
Kean, B. H.; and Kimball, A. C., 1977, Am. J. Dis. Child., v. 131 (1), 21-28
Toxoplasma gondii, human congenital infections, complement fixation test provides valuable laboratory support for diagnosis in conjunction with Sabin-Feldman dye test

Immunity, Complement
Kierszenbaum, F., 1976, J. Parasitol., v. 62 (1), 134-135
Trypanosoma cruzi, no difference in susceptibility of Y and Tulahuen strains to immune lysis, exacerbation of infection with both strains by complement depletion, mice

Immunity, Complement
Kierszenbaum, F.; Ivanyi, J.; and Budzko, D. B., 1976, Immunology, v. 30 (1), 1-6
Trypanosoma cruzi, chickens, natural resistance, capacity of sera to lyse trypomastigotes in vitro, complement-dependent and antibody-independent phenomena

Immunity, Complement
Kierszenbaum, F.; and Weinman, D., 1977, Immunology, v. 32 (2), 245-249
Trypanosoma cyclops, nonspecific lysis by normal human serum found to be complement-dependent and to follow activation of alternative pathway without apparent requirement for conventional antibodies

Immunity, Complement
Kobayashi, A.; Soltys, M. A.; and Woo, P.T.K., 1976, Ann. Trop. Med. and Parasitol., v. 70 (1), 53-58
Trypanosoma congolense, sheep, diagnosis, comparison of various parasitological techniques (wet mount preparation; hematocrit centrifuge technique; mouse inoculation test) with various serological techniques (immunolysis test; indirect fluorescent antibody test; complement fixation test; immunoconglutination test), effect of treatment with quinapyramine dimethosulphate on diagnosis

Immunity, Complement
Kobayashi, A.; and Tizard, I. R., 1976, Tropenmed. u. Parasitol., v. 27 (4), 411-417
Trypanosoma congolense-infected calves (exper.), changes in levels of immunoglobulins and complement fixing antibody titres during course of infection

Immunity, Complement
Krettli, A. U.; Nussenzweig, V.; and Nussenzweig, R. S., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 34-41
Plasmodium berghei, mice, level of immune complex release activity from surface of lymphocytes, alternative complement pathway function, C3 levels in serum

Immunity, Complement
Kuttler, K. L.; Adams, L. G.; and Todorovic, R. A., 1977, Am. J. Vet. Research, v. 38 (2), 153-156
Babesia bigemina, infected mature cattle, comparison of complement fixation and indirect fluorescent antibody reactions, CF more sensitive than IFA in longer infection, both successful in early infections

Immunity, Complement
La Placa, M.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 396-398
partially purified protein and polysaccharide antigens obtained from Leishmania donovani, both fractions induce positive intradermal skin reaction, but only the protein fraction detects humoral antibody in complement fixation tests

Immunity, Complement
Lawrence, J. A., 1977, Research Vet. Sc., v. 23 (3), 288-292
Schistosoma mattheei, Friesian steers (exper.), antibody response followed up to 76 weeks by complement fixation, indirect haemagglutination, and indirect immunofluorescent tests, strong cross-reaction to Fasciola gigantica and Paramphistomum microbothrium in CF test, while IH and IF tests were specific; IF test of proven value in diagnosis of clinical schistosomiasis

Immunity, Complement
Leventhal, R.; and Soulsby, E. J. L., 1977, Exper. Parasitol., v. 41 (2), 423-431
Ascaris suum early larval stages, cuticular binding of third component of complement

Immunity, Complement
Locatelli, A.; and Simonic, T., 1974, Folia Vet. Latina, v. 4 (1), 43-70
Fasciola hepatica, short review of physiology, biochemistry, pathogenicity, immunology, and diagnosis (fecal examination, complement fixation, precipitation, haemagglutination, flocculation, and allergy tests, indirect immunofluorescence)

Immunity, Complement
McHardy, N.; and Gilson, C., 1974, Tropenmed. u. Parasitol., v. 25 (1), 11-21
Anaplasma marginale, differences in ultrastructure of agglutinating and complement-fixing antigens, relation to structure of complete organism

Immunity, Complement
MacRae, A. A.; Anderson, R. I.; and Fazen, L. E., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 658-662
Onchocerca volvulus in humans, evaluation of complement fixation for diagnosis; not good index of degree of infection (suppression of titer in persons with large numbers of microfilariae in skin) but useful diagnostic tool in recently acquired infection and suspected cases without microfilariae in skin and no apparent nodules

Immunity, Complement
Madwar, M. A.; and Voller, A., 1977, Tropenmed. u. Parasitol., v. 28 (1), 57-62
Schistosoma haematobium and S. mansoni in humans, immunoserologic investigations indicate that both antibody and circulating antigen can be detected, relations with immune-complex nephritis and pathology of infections still unclear

Immunity, Complement
Mahmoud, A. A. F.; and Woodruff, A. W., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 187-188
Schistosoma mansoni in mice (exper.), glomerular nephritis caused by immune complex deposits which contained complement

Immunity, Complement
Mannweiler, E.; et al., 1976, Deutsche Med. Wchnschr., v. 101 (52), 1915-1919
human amoebic hepatic abscesses, comparative seroimmunologic tests for antibody presence in infected persons, controls and persons from endemic areas show multiple tests needed for accurate diagnosis

Immunity, Complement
Martin, W. H.; and Ritchie, W. H., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 141-142
Anaplasma marginale, cattle, diagnosis, microtiter complement fixation technique

Immunity, Complement
Matossian, R. M.; et al., 1976, Internat. J. Parasitol., v. 6 (5), 367-371
Echinococcus granulosus, human, serum immunoglobulin levels, significant increase in IgG, increase in IgM and IgA significant only in pulmonary cases, no significant correlation between haemagglutinating and complement fixing antibody titres and respective IgG and IgM levels, IgD levels not different between patients and controls, elevated IgE in 77%, persistent hyperglobulinemia in post-operative follow-ups

Immunity, Complement
Mehlitz, D., 1975, Tropenmed. u. Parasitol., v. 26 (3), 265-275
Trypanosoma spp. of Nannomonas, Duttonella, and Trypanozoon subgenera, comparison of indirect fluorescent antibody test and complement fixation test as means of differentiating subgenera by serology and persistence of antibodies

Immunity, Complement
Merino, F.; and Brand, A., 1977, Tropenmed. u. Parasitol., v. 28 (2), 229-234
Onchocerca volvulus in humans living in endemic area, determinations of immunological profile in comparison with normal controls showed little alteration in immunoglobulin levels, third component of complement or in response of peripheral blood lymphocytes to mitogens

Immunity, Complement
Meuwissen, J. H. E. T., 1976, National Cancer Inst. Monograph (43), 133-136
Pneumocystis carinii pneumonia in humans, attempts to apply indirect fluorescent antibody tests and complement fixation to the laboratory diagnosis of infection and to epidemiologic surveillance in outbreaks, preliminary data on experimental use of rat colony for longitudinal studies

Immunity, Complement
Mitchell, G. F.; Goding, J. W.; and Rickard, M. D., 1977, Austral. J. Exper. Biol. and Med. Sc., v. 55 (2), 165-186
Taenia taeniaeformis (Cysticercus fasciolaris), mice, antibodies and complement as factors influencing susceptibility/resistance; markedly increased susceptibility of certain complement-deficient mouse strains (in particular, males), of hypothymic mice, and of cyclophosphamide-treated mice; impressive protective activity of immune serum

Immunity, Complement
Mohr, W., 1976, Med. Klin., Berlin, v. 71, 1204-1209
human protozoal infections, value of immunoserologic techniques in diagnosis, comparison with results of direct blood examination and culture methods

Immunity, Complement
Mueller, F.; and Klein, P., 1975, Med. Microbiol. and Immunol., v. 162 (1), 55-61
possible immunologic differentiation between immunoglobulin M, immunofluorescent and complement fixing antibodies, role in serodiagnosis of human Toxoplasma gondii

Immunity, Complement
Musoke, A. J.; and Barbet, A. F., 1977, Nature, London (5636), v. 270, 438-440
Trypanosoma brucei, direct activation of human complement via classical pathway by isolated variant-specific surface antigen of parasite, possible role in pathogenesis

Immunity, Complement
Musoke, A. J.; and Williams, J. F., 1975, Immunology, v. 29 (5), 855-866
Taenia taeniaeformis, rats, sequential appearance of protective immunoglobulins studied in passive transfer experiments, mechanism of action of 7Sγ2a antibodies, susceptibility of early postoncospheral stages to antibody-mediated attack was complement dependent

Immunity, Complement
Musumeci, S.; D'Agata, A.; and Fischer, A., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (3), 261 [Letter]
human leishmaniasis, presence of immunoglobulin or complement on red cell surface, possible immune mechanism responsible for shortened red cell survival during active disease

Immunity, Complement
Neppert, J.; and Warns, C.-M., 1974, Tropenmed. u. Parasitol., v. 25 (4), 492-497
sera from Liberians with various helminthic infections, cross reactions with antigens from Ascaris, hookworm, Onchocerca, Dirofilaria immitis, closed hexagon immunodiffusion, complement fixation reaction, indirect haemagglutination

Immunity, Complement
Neva, F. A.; and Gam, A. A., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 37-46
Trypanosoma cruzi, method for preparation of complement-fixing antigen from amastigote and trypomastigote forms grown in cell cultures, antigen characteristics

Immunity, Complement
Ngu, J. L.; and Blackett, K., 1976, Trop. and Geogr. Med., v. 28 (2), 111-120
Onchocerc[a] volvulus in humans, immunologic studies attempting to delineate role of humoral and cellular immune responses in the heterogeneity of onchocercal lesions

Immunity, Complement
Nielsen, K.; et al., 1977, Exper. Parasitol., v. 43 (1), 153-160
Trypanosoma lewisi, initial biochemical characterization of complement-activating components

Immunity, Complement
Nielsen, K.; and Sheppard, J., 1977, Experientia, v. 33 (6), 769-771
Trypanosoma congolense, T. lewisi, activation of complement, possible roles in pathology of disease

Immunity, Complement
Norman, L.; and Kagan, I. G., 1973, Infect. and Immun., v. 8 (3), 317-321
Pneumocystis carinii, human, indirect immunofluorescent test with antigen of partially cleaned parasite cysts, evaluation for sensitivity and specificity, limited comparison with complement fixation test

Immunity, Complement
Oelerich, S., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (3), 296-304
Leishmania spp., Trypanosoma cruzi, Crithidia sp., Mycobacterium smegmatis, antigenic analyses and cross reactions, double gel-diffusion, complement-fixation, indirect hemagglutination

Immunity, Complement
Oelerich, S.; and Nwokolo, C., 1974, Tropenmed. u. Parasitol., v. 25 (2), 137-146
Paragonimus uterobilateralis, sera from 27 patients, complement fixation, indirect hemagglutination, double gel diffusion, reactions with homologous antigen and cross-reactions with other helminth antigens, disc-electrophoretic analysis of P. uterobilateralis antigen: Nigeria

Immunity, Complement
Oelerich, S.; Umaly, R. C.; and Lederer, I., 1974, Tropenmed. u. Parasitol., v. 25 (3), 318-326
Schistosoma mansoni, different developmental stages, S. japonicum, Fasciola hepatica, Ascaris suum, cross reactions in double gel diffusion, Cerkarienhullenreaktion, complement fixation, indirect immunofluorescence, indirect haemagglutination, mice, rabbits

Immunity, Complement
Oelerich, S.; and Volkmer, K. J., 1976, Tropenmed. u. Parasitol., v. 27 (1), 44-49
Paragonimus uterobilateralis, Paragonimus africanus, use of passive hemagglutination test in diagnosis, evaluation of treatment measures, and in seroepidemiologic surveys, demonstration of common antigens, comparative studies of immunoglobulin levels and complement fixation not useful

Immunity, Complement
Ostmann, H.; Oelerich, S.; and Lederer, I., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (1), 72-80
Trypanosoma cruzi, antigenic analysis, titers obtained with complement-fixation and indirect hemagglutination tests using hyperimmune sera from rabbits and guinea pigs; antibodies in mice demonstrable earlier and longer by complement fixation than by indirect hemagglutination and double-gel diffusion; for 33 Chagas' disease patients indirect hemagglutination was slightly more sensitive than complement-fixation, serum IgM levels not raised

Immunity, Complement
Ottesen, E. A.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 134-141
eosinophils from normal humans and from patients with schistosomiasis or filariasis, immunoglobulin and complement receptors, role in cellular adherence to Schistosoma mansoni schistosomules, workshop report

Immunity, Complement
Pampiglione, S.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (6), 447-453
Leishmania donovani, serologic screening of population during outbreak of visceral leishmaniasis showed 6 persons with high complement fixing and positive skin tests for leishmanin without clinical symptoms: Northern Italy

Immunity, Complement
Perie, N. M.; Tinnemans-Anggawidjaja, T.; and Zwart, D., 1975, Tropenmed. und Parasitol., v. 26 (4), 399-404
Trypanosoma spp. in experimentally infected domestic animals, sandwich immunofluorescent complement fixation test compared with indirect fluorescent antibody test for use in detecting binding of complement to antigen-antibody complex

Immunity, Complement
Piekarski, G.; Saathoff, M.; and Nouri-Nekoui, M. H., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (2), 161-173
Leishmania donovani, rats and hamsters (exper.), patients with kala-azar, indirect immunofluorescence and complement fixation tests for detection of antibodies, failure to apply principle of Sabin-Feldman test

Immunity, Complement
Quilici, M.; Assadourian, Y.; and Ranque, P., 1971, Medecine Trop., v. 31 (2), 207-213
immunological diagnosis and post-treatment evaluation of human echinococcosis, comparison of sero-immunological tests

Immunity, Complement
Radwanski, Z. K.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 124-132
Leishmania enriettii in guinea pigs (exper.), use of indirect immunofluorescence to demonstrate antibody response during infection, to detect presence of parasites, gamma-globulin and complement during active infection and during healing process; antibody detected in primary lesions unrelated to healing process or pathogenesis of tissue damage

Immunity, Complement
Ravi, V. V.; et al., 1975, Indian J. Med. Research, v. 63 (12), 1732-1736
titers of indirect hemagglutination test and complement levels compared using sera and abscess pus from patients infected with hepatic amoebic abscesses, sero-negative and sero-positive cases investigated for possible differences in immune responses

Immunity, Complement
Rickard, M. D.; et al., 1977, J. Helminthol., v. 51 (3), 221-228
Echinococcus granulosus, mechanism of lysis of protoscoleces incubated in normal serum, strong evidence for lysis by alternate pathway of complement activation, comparison with Echinococcus multilocularis

Immunity, Complement
Ridley, D. S., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (6), 793-796
schistosomiasis, human, diagnosis, complement fixation tests, 2 crude and 6 fractionated antigens, comparison with card precipitin test

Immunity, Complement
Ristic, M.; and Nyindo, M. B. A., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 66-70
Anaplasma marginale, cows inoculated with attenuated vaccine, humoral (complement fixing and agglutinating antibodies) and cell-mediated (macrophage migration inhibition test) immune responses, results demonstrate correlation between cell-mediated immunity and protection

Immunity, Complement
Rudolph, W.; Rosende, S.; and Correa, J., 1973, Bol. Chileno Parasitol., v. 28 (1-2), 3-6
Babesia equi, B. caballi, complement fixation micromethod effective diagnostic test for equine piroplasmosis: Chile

Immunity, Complement
Rushton, B., 1976, Research Vet. Sc., v. 21 (2), 242-243
Fasciola hepatica, sheep, increase of complement fixation (CF) and passive haemagglutinating (PH) auto-antibody titres after primary and challenge infections, apparent organ and species specific PH antigen in sheep liver mitochondria, CF auto-antibodies neither organ nor species specific

Immunity, Complement
Schierz, G.; and von Busch, K., 1976, Munchen. Med. Wchnschr., v. 118 (26), 839-842
differentiation between human clinical toxoplasmosis and Toxoplasma gondii infection, comparison of Sabin-Feldman dye test, indirect immunofluorescence to detect IgM and IgG antibodies, and complement fixation test

Immunity, Complement
Sher, A., 1976, Nature, London (5575), v. 263, 334-336
Schistosoma mansoni schistosomula, complement-dependent adherence of mast cells to surface

Immunity, Complement
Sher, A.; and McIntyre, S. L., 1977, J. Immunol., v. 119 (2), 722-725
Schistosoma mansoni, adherence of rat peritoneal mast cells to schistosomula, mast cell adherence sites are receptors for third component of complement

Immunity, Complement
Shukla, D. C.; and Victor, D. A., 1976, Indian Vet. J., v. 53 (11), 852-854
sarcosporidiosis, bovines, diagnosis, complement fixation effective, agglutination and gel diffusion were of no value

Immunity, Complement
Sogandares-Bernal, F., 1976, J. Parasitol., v. 62 (2), 222-226
Schistosoma mansoni adults, $7S_{\gamma 2b}$ antibody attached to and in the integument does not seem to fix complement, may act in enhancing and blocking roles which protect worms from host

Immunity, Complement
Sogandares-Bernal, F.; and Brandt, S., 1976, Ztschr. Parasitenk., v. 50 (3), 331-334
Schistosoma mansoni, mice, egg-induced granulomata, detection of IgM, $7S_{\gamma 1}$ and C3, possible roles in sequestration of antigens, Hoeppli phenomenon, ultimate death of embryo or miracidium

Immunity, Complement
Souza, M. do C.; et al., 1974, J. Protozool., v. 21 (4), 579-584
living culture forms of Leptomonas pessoai cross-protected mice against Trypanosoma cruzi challenge infection, circulating antibodies detected in immunized mice by immunodiffusion, passive haemagglutination, complement fixation, and antibody binding assay which cross-reacted with T. cruzi extracts, cellular immune response indicated by leucocyte migration inhibition

Immunity, Complement
Srichaikul, T.; et al., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 36-38
Plasmodium falciparum, man, blood histamine changes and correlation with severity of complications occurring during infection, possible release of histamine through activation of complement system and immune destruction of platelets

Immunity, Complement
Srichaikul, T.; Siriasawakul, T.; and Poshyachinda, M., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (3), 244-246
Plasmodium falciparum in humans, defect in hemoglobin synthesis during infection, effect on normoblastic development in vitro, possible role of complement in depression of erythropoiesis

Immunity, Complement
Staak, C., 1976, Vet. Rec., v. 99 (3), 57
Trypanosoma vivax, adult Sahiwal steer, use of complement fixation test in evaluating effectiveness of Berenil treatment and detecting cryptic infection

Immunity, Complement
Suad, M.; and Woodruff, A. W., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 279 [Demonstration]
Schistosoma mansoni, mice, observations of 'holes' on erythrocytes, possible relationship to complement fixation and anemia

Immunity, Complement
Surjan, L.; and Stverteczky, Z., 1971, Parasitol. Hungar., v. 4, 11-22
human echinococcosis, indirect hemagglutination test more specific and more sensitive in comparison tests with complement fixation, human cyst fluid recommended for use in testing human serum rather than swine cyst fluid

Immunity, Complement
Suzuki, M.; Tsunematsu, Y.; and Waki, S., 1973, J. Protozool., v. 20 (4), 528
Toxoplasma, mechanism of Sabin-Feldman dye test, importance of complement

Immunity, Complement
Swietlikowski, M., 1969, Acta Parasitol. Polon., v. 16 (1-19), 1968-1969, 101-115
Dictyocaulus viviparus, calves, immunization, normal or X-ray inactivated larvae, numbers of infective larvae, levels of complement fixing and precipitating antibodies, course of infection, precipitating antibodies appearing later than complement fixing antibodies and probably produced by mature parasites

Immunity, Complement
Szczepanski, Z., 1971, Pediat. Polska, v. 46 (2), 137-143
Giardia lamblia causing diarrhea or coeliac like symptoms in children, immunoelectrophoretic patterns of serum proteins excreted in feces

Immunity, Complement
Tabel, H.; Losos, G. J.; and Maxie, M. G., 1977, Canad. Fed. Biol. Soc., Programme and Proc. 20. Ann. Meet., v. 20, 118 [Abstract]
Trypanosoma vivax, T. congolense, cattle, determination of hemolytic complement activity and complement component C3 levels; impairment of complement system perhaps related to immunosuppression and susceptibility to secondary infection

Immunity, Complement
Takei, K.; and Chun, S.-K., 1976, Japan. J. Exper. Med., v. 46 (6), 399-403
Clonorchis sinensis, purification of antigens for complement fixation test

Immunity, Complement
Tanaka, H., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 176-179
human schistosomiasis, comparative evaluation of complement fixation and circumoval precipitin reactions for diagnosis and assessment of cure after therapy

Immunity, Complement
Thompson, K. C.; Todorovic, R. A.; and Hidalgo, R. J., 1977, Research Vet. Sc., v. 23 (1), 51-54
Babesia bigemina, antigenic variation in 4 stabilates propagated as acute and chronic blood-borne and tick-borne infections of Colombian cattle, characterization by means of complement fixation, gel diffusion, agar gel electrophoresis, and indirect haemagglutination tests

Immunity, Complement
Threadgold, L. T.; and Befus, A. D., 1977, Exper. Parasitol., v. 43 (1), 169-179
Hymenolepis diminuta, ultrastructural localization of immunoglobulins and complement component 3 on worm tegument

Immunity, Complement
Todorov, T.; et al., 1976, Bull. World Health Organ., v. 53 (4), 407-415
human echinococcosis, persistence of antibodies after surgical treatment, use in evaluation of surgical results and prognosis

Immunity, Complement
Todorovic, R. A.; and Long, R. F., 1976, Tropenmed. u. Parasitol., v. 27 (2), 169-181
indirect fluorescent antibody test found superior to complement fixation test as epidemiologic tool to detect Babesia bigemina and B. argentina infections in cattle, some cross reactivity in differentiating between spp.: Colombia

Immunity, Complement
Todorovic, R. A.; Long, R. F.; and McCallon, B. R., 1977, Vet. Microbiol., v. 2 (2), 167-177
Anaplasma marginale, calves, complement fixation and rapid card agglutination tests compared, results indicated that under field conditions rapid card agglutination test was a simpler and more reliable diagnostic test: north coast of Colombia

Immunity, Complement
Tomanek, J.; and Franek, M., 1975, Acta Vet. Brno, v. 44 (4), 393-399
Dictyocaulus filaria, presence of complement-fixing antibodies in immunoglobulin fractions of sera from lambs, during primary and secondary response to infection with non-irradiated and X-irradiated larvae

Immunity, Complement
Topley, E.; Knight, R.; and Woodruff, A. W., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 51-54
malaria patients, direct antiglobulin test and immunoconglutinin titres, possible significance of results in understanding mechanism of anemia

Immunity, Complement
Torisu, M.; et al., 1975, Clin. Immunol. and Immunopathol., v. 4 (4), 467-477
Ascaris lumbricoides, patients with worm migration into biliary tree, skin tests, complement fixation, hemagglutination tests, immunoglobulin levels, pre- and post-surgical results, significant preoperative rise in IgE appears to be dependent on Ascaris infection, purified Ascaris antigen has high chemotactic effect on eosinophils

Immunity, Complement
Tribouley, J.; et al., 1976, Bull. World Health Organ., v. 54 (6), 695-702
Schistosoma mansoni in humans, passive hemagglutination test of high specificity and sensitivity in comparison trials with complement fixation test, useful in epidemiologic surveys

Immunity, Complement
Tribouley, J.; Tribouley-Duret, J.; and Tlemsani, A., 1974, Medecine et Malad. Infect., v. 4 (1), 43-50
passive hemagglutination test technique for diagnosis of human echinococcosis, suitable for epidemiologic tool, favorable comparison with complement fixation test

Immunity, Complement
Tribouley-Duret, J.; et al., 1976, Compt. Rend. Soc. Biol., Paris, v. 170 (2), 349-352
Toxocara canis, mice, rabbits, detection of antibodies using antigen prepared from adult worm rather than larva, precipitation, complement fixation, hemagglutination, results show such antigen should be suitable for diagnosis of visceral larva migrans

Immunity, Complement
Umaly, R. C.; Oelerich, S.; and Haas, J., 1974, Tropenmed. u. Parasitol., v. 25 (4), 413-421
various schistosome antigens tested against sera from parasitologically proven human cases of Schistosoma mansoni and S. haematobium, Cercarienhullenreaktion, indirect fluorescent antibody test, complement fixation test, indirect haemagglutination test

Immunity, Complement fixation
Umaly, R. C.; Oelerich, S.; and Haas, J., 1974, Tropenmed. u. Parasitol., v. 25 (4), 422-432
Schistosoma haematobium, human, with and without other helminthic infections, serodiagnosis, various schistosome antigens plus Ascaris suum and Fasciola hepatica tested in Cercarienhullenreaktion, indirect immunofluorescence, indirect haemagglutination, complement fixation, and double gel diffusion tests, evaluation of sensitivity and specificity, attempt to correlate results of serologic tests with some clinical symptoms and with influence of chemotherapy

Immunity, Complement
Vaughn, H. W.; Renshaw, H. W.; and Frank, F. W., 1976, Am. J. Vet. Research, v. 37 (5), 615-617
Anaplasma marginale, detection in elk, serum card test and complement-fixation test gave incomplete and false-positive reactions, plasma card test gave no reactions, results indicate bovine serologic tests for anaplasmosis may be inadequate with elk serum: Clearwater National Forest, Idaho

Immunity, Complement
Visvesvara, G. S.; and Balamuth, W., 1975, J. Protozool., v. 22 (2), 245-256
Acanthamoeba, Naegleria, Hartmannella, comparative studies on free-living and pathogenic amebae: cyst structure; nutrition; protein composition; immunology; cell free plaques and other cytopathic effects; phospholipase liberation; sensitivity to amphotericin B

Immunity, Complement
Vizcaino G., O.; and Todorovic, R. A., 1975, Rev. Inst. Colomb. Agropec., v. 10 (1), 77-85
Babesia bigemina, B. argentina, characterization of antigens, complement fixation, immunodiffusion, cross-immunity tests

Immunity, Complement
Wellde, B. T.; et al., 1973, Isotopes and Radiation Parasitol., III, 181-183
Trypanosoma congolense, cattle, clinical signs and parasitaemia, haematology, serum proteins, serum biochemical components, histopathologic findings, diagnosis by complement fixation test compared with indirect fluorescent antibody test

Immunity, Complement
Wellensiek, H. J.; et al., 1976, Ztschr. Immunitaetsforsch., v. 152 (2), 123 [Abstract]
Toxoplasma gondii, Sabin-Feldman dye test, immunocytolysis caused by properdin-dependent alternate pathway activation of human complement

Immunity, Complement
Wikel, S. K.; and Allen, J. R., 1977, Immunology, v. 32 (4), 457-465
Dermacentor andersoni, guinea-pigs, effect of cobra venom factor (which causes complement depletion) on resistance response, did not alter acquisition of resistance but blocked expression of resistance in an already resistant animal, histologic picture at attachment site

Immunity, Complement
Williams, A. I. O.; Rosen, F. S.; and Hoff, R., 1975, Ann. Trop. Med. and Parasitol., v. 69 (2), 179-185
Plasmodium berghei, mice, role of complement components in susceptibility to infection

Immunity, Complement
Wilson, M.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, part 1), 1159-1163
human schistosomiasis, serodiagnosis evaluating the indirect immunofluorescence (IIF) and complement fixation (CF) tests concluded that IIF with adult antigen is more sensitive and as specific as CF and therefore is the procedure of choice for routine diagnostic serology

Immunity, Complement
Woodruff, A. W., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 313-328
mechanisms involved in anemia associated with infection (schistosomiasis, kala-azar, malaria, trypanosomiasis) and splenomegaly in tropics, complement activation leading to hemolysis and splenomegaly due to erythrophagocytosis, review

Immunity, Complement
Woodruff, A. W.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 329-337
Trypanosom[a] rhodesiense, human, mechanism of anemia, complement coating of erythrocytes and subsequent haemolysis, splenic enlargement due to erythrophagocytosis within spleen

Immunity, Complement
Wosu, N. J.; et al., 1977, J. Infect. Dis., v. 135 (6), 944-948
Encephalitozoon cuniculi, complement fixation test is sensitive and capable of detecting infection in rabbits (exper.) as early as 15 days after intracerebral infection

Immunity, Complement
Zapart, W.; Adonajło, A.; and Gancarz, Z., 1969, Acta Parasitol. Polon., v. 16 (1-19), 1968-1969, 9-19
Trichinella spiralis, sera from infected humans, evaluation of fractionated antigens, complement fixation and ring precipitation tests

Immunity, Complement
Zawadzka-Jedrzejewska, B.; Gancarz, Z.; and Plonka, W., 1971, Med. Dosw. i Mikrobiol., v. 23 (3), 271-279
Fasciola hepatica, beef cattle, comparative evaluation of passive agglutination, complement fixation and ring precipitation test for diagnosis

Immunity, Complement
Zeromski, J.; and Jazbor, A., 1969, Acta Parasitol. Polon., v. 17 (1-19), 127-130
Trichinella spiralis, rats, immunofluorescent fixation of heterologous complement by larval antigens; antilarval antibodies apparently present in host serum very early

Immunity, Congenital. See Immunity, Native; Immunity, Passive.

Immunity, Cross-immunity. See Immunity, Cross-reactions.

Immunity, Cross-reactions
Alexander, J.; and Phillips, R. S., 1975, J. Protozool., v. 22 (3), 48A [Abstract]
Leishmania mexicana, immunity in mice, cross-protection between L. tropica major and L. mexicana

Immunity, Cross-reactions
Arias, J. R.; Menezes, H.; and de Freitas, R. A., 1976, Acta Amazonica, v. 6 (4), 483-485
Leishmania sp., 2 strains, golden hamsters immunized with anti-Chagas "PF" vaccine (Trypanosoma cruzi after 400 passages), no significant reduction of infection

Immunity, Cross-reactions
Aryeetey, M. E.; and Piekarski, G., 1976, Ztschr. Parasitenk., v. 50 (2), 109-124
Sarcocystis tenella-infected rats, antibodies detected by indirect immunofluorescence test; no cross reaction with Toxoplasma-infected mice; rats fed infected sausage showed negative reaction to Sarcocystis antigen

Immunity, Cross-reactions
Barratt, M. E. J., 1972, Immunology, v. 22 (4), 615-623
Metastrongylus spp., pigs, immediate hypersensitivity, partial characterization of allergens, suggested that cross reactions so commonly found when using nematode antigens in wheal and erythema reactions can be eliminated by suitable dilution of the allergen

Immunity, Cross-reactions
Barriga, O. O., 1977, J. Clin. Microbiol., v. 6 (3), 274-279
Trichinella spiralis, different antigenic fractions, reactivity and specificity (tested for cross-reactions against Ascaris suum) in cutaneous (immediate and delayed) and serological (bentonite agglutination, hemagglutination, hemagglutination inhibition) tests, implications for clinical diagnosis of trichinellosis

Immunity, Cross-reactions
Bartlett, A.; Bidwell, D. E.; and Voller, A., 1975, Tropenmed. u. Parasitol., v. 26 (3), 370-374
Onchocerca volvulus, evaluation of enzyme immunoassay (ELISA) for the diagnosis of human infections, use of O. gutturosa antigens more promising than antigens prepared from various other nematodes

Immunity, Cross-reactions
Behforouz, N.; Rezai, H. R.; and Gettner, S., 1976, Ann. Trop. Med. and Parasitol., v. 70 (3), 293-301
Leishmania spp., immunofluorescence used to detect antibodies in humans, mice and guinea pigs using heterologous and homologous antigens; immunoelectrophoretic identification of active fraction of guinea pig antibody

Immunity, Cross-reactions
Behnke, J. M.; Bland, P. W.; and Wakelin, D., 1977, Parasitology, v. 75 (1), 79-88
rejection phase of Trichinella spiralis infection in mice had marked negative effect on growth and survival of Hymenolepis diminuta, this effect was not mediated by direct cross-immunity nor was it a direct consequence of inter-specific competition

Immunity, Cross-reactions
Bigalke, R. D.; et al., 1967, Onderstepoort J. Vet. Research, v. 34 (1), 7-28
Besnoitia, susceptibility of rabbits, cattle, and sheep to experimental infection with blue wildebeest and impala strains and subsequent immunity to challenge with bovine strains, suggested all be regarded as distinct strains or biological races of B. besnoiti

Immunity, Cross-reactions
Brocklesby, D. W.; Harradine, D. L.; and Young, E. R., 1976, Research Vet. Sc., v. 21 (3), 300-302
Babesia major infected calves not protected against B. divergens; B. divergens infections provide good protection against B. major; B. divergens might be dominant species where both occur

Immunity, Cross-reactions
Bruce, R. G.; and Wakelin, D., 1977, Parasitology, v. 74 (2), 163-173
Trichinella spiralis, Trichuris muris, concurrent infection in mice, interactive expulsive response considered an example of indirect cross-immunity with no element of antigenic similarity, involvement of cell-mediated inflammatory response strongly suggested

Immunity, Cross-reactions
Burridge, M. J.; and Kimber, C. D., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (2), 186-191
Theileria spp. antigens tested against sera from cattle inoculated with wildebeest blood containing Theileria gorgonis or cattle recovered from infection with T. parva, T. lawrencei, or T. mutans, indirect fluorescent antibody test, results show antigenic distinctness of T. gorgonis with only slight degree of cross-reaction with other Theileria spp.

Immunity, Cross-reactions
Buys, J.; and Ruitenberg, E. J., 1977, Trop. and Geogr. Med., v. 29 (2), 205 [Abstract]
Trypanosoma brucei, T. rhodesiense, comparative application of enzyme-linked immunosorbent assay (ELISA) and immunofluorescence for serodiagnosis of human trypanosomiasis; ELISA represents good alternate method particularly suited for mass screening purposes; cross-reaction only in one person in whom antibodies to Leishmania were detected

Immunity, Cross-reactions
Cabrera, E. J.; Barr, M. L.; and Silverman, P. H., 1977, Infect. and Immun., v. 15 (2), 461-465
Plasmodium knowlesi-vaccinated Macaca mulatta ta, protection against challenge with heterologous strain present even 4 years after immunization schedule had been completed

Immunity, Cross-reactions
Campbell, N. J.; et al., 1977, Internat. J. Parasitol., v. 7 (5), 347-351
Fasciola hepatica, stimulation of resistance in sheep by infection with Cysticercus tenuicollis

Immunity, Cross-reactions
Cappuccinelli, P., 1972, Parassitologia, v. 14 (2-3), 255-260
Armillifer armillatus, antigens, complement fixation and immunodiffusion studies of antibody response in rabbit; identification of active fractions by immunoelectrophoresis; immunodiffusion tests against Echinococcus granulosus, Fasciola hepatica, Dicrocoelium dendriticum, Onchocerca volvulus and Ascaris suum, no common antigens found

Immunity, Cross-reactions
Cerna, Z., 1975, J. Protozool., v. 22 (3), 60A [Abstract]
"Our preliminary experiments suggested that E[imeria] contorta isolated from rats and transmissible to mice may, evidently, be identical in its antigenic reaction to that of the mouse coccidians E. falciformis and E. falciformis var. pragensis"

Immunity, Cross-reactions
Chen, D. H.; Nussenzweig, R. S.; and Collins, W. E., 1976, J. Parasitol., v. 62 (4), 636-637
rat antisera against sporozoites of 6 primate Plasmodium spp. reacted in circum-sporozoite precipitation tests only with sporozoites of homologous species, geographically different strains of same species cross-reacted intensely however

Immunity, Cross-reactions
Christie, E.; and Dubey, J. P., 1977, Infect. and Immun., v. 18 (2), 412-415
cross-immunity between Toxoplasma gondii and 6 strains of Hammondia hammondi in mice and hamsters

Immunity, Cross-reactions
Collins, R. F.; and Ivey, M. H., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 460-464
passive cutaneous anaphylaxis responses of sensitized guinea pigs to various antigens of adult and larval stages of Toxocara canis or Ascaris suum; homologous reactions; Ascaris larval antigen reacted with Toxocara antiserum

Immunity, Cross-reactions
Cornish, J.; LeFlore, W. B.; and Smith, B. F., 1976, Tr. Am. Micr. Soc., v. 95 (2), 266-267 [Abstract]
Cysticercus fasciolaris, sensitivity of micro-precipitin, agar-gel precipitin, immunoelectrophoresis, and indirect hemagglutination tests; cross-reaction with Taenia crassiceps, no cross-reaction with T. saginata and Echinococcus granulosus

Immunity, Cross-reactions
Cox, J. C.; and Gallichio, H. A., 1977, Research Vet. Sc., v. 22 (1), 50-52
Nosema cuniculi, rabbits, serological diagnosis, indirect immunofluorescence test, compared with histopathological methods, no cross-reactivity between N. cuniculi and Toxoplasma gondii

Immunity, Cross-reactions
Dafalla, A. A., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 146-147
Toxocara canis, T. cati in humans, immunodiagnosis using the capillary-tube precipitin test, cross reaction with Ascaris could be eliminated by absorption with Ascaris antigen

Immunity, Cross-reactions
Della Bruna, C.; and Xenia, B., 1976, J. Parasitol., v. 62 (3), 490-491
Nippostrongylus brasiliensis: reduced worm burden and prolonged infection in mice harboring Nematospiroides dubius

Immunity, Cross-reactions
Dimopoullos, G. T.; and Finerty, J. F., 1976, Am. J. Vet. Research, v. 37 (6), 693-695
Anaplasma marginale, Plasmodium lophurae, P. berghei, cross reactivity in passive haemagglutination tests

Immunity, Cross-reactions
Dineen, J. K.; et al., 1977, Internat. J. Parasitol., v. 7 (3), 211-215
Trichostrongylus colubriformis-vaccinated sheep, high level of protection against single-species homologous challenge, lowered level of protection against single-species challenge with T. vitrinus, no protection against single-species challenge with Nematodirus spathiger, high level of protection against all 3 species to simultaneous challenge with all 3 species, latter suggests that terminal effectors of resistance are immunologically non-specific

Immunity, Cross-reactions
Dubey, J. P.; Christie, E.; and Pappas, P. W., 1977, J. Infect. Dis., v. 136 (3), 432-435
Toxoplasma gondii from feces of naturally infected cats, pathogenicity and infectivity of 7 strains of oocysts and cysts compared by infecting mice (exper.) orally and intraperitoneally; cross-immunity of all strains, cysts less pathogenic than oocysts

Immunity, Cross-reactions
Duffus, W.P.H.; Preston, J. M.; and Staak, C. H., 1975, J. Helminth., v. 49 (1), 1-7
Schistosoma bovis, fractionation of adult worm antigen, use in complement fixation, immuno-diffusion, indirect haemagglutination and indirect haemagglutination inhibition tests, cross-reactions using sera from Fasciola gigantica-infected cattle

Immunity, Cross-reactions
Dwyer, D. M., 1974, J. Protozool., v. 21 (1), 139-145
Trichomonas gallinae, Histomonas meleagridis, Dientamoeba fragilis, Entamoeba invadens, E. histolytica, antigenic relationships analyzed by immunoelectrophoretic techniques

Immunity, Cross-reactions
Ershov, V. S.; et al., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 343-348
anaphylactic shock in guinea pigs after sensitization with free-living or plant-parasitic nematodes and challenge with various helminth antigens indicates antigenic components in common; intradermal tests using antigen from free-living nematode in cases of ascariasis, trichinellosis, and cysticercosis; possible use of free-living nematode to immunize against dictyocaulosis and ascariasis

Immunity, Cross-reactions
zum Felde, I.; et al., 1974, Tropenmed. u. Parasitol., v. 25 (4), 477-484
P[lasmodium] falciparum, P. vivax, P. ovale, P. malariae, human, indirect immunofluorescence test with same 4 Plasmodium spp. plus P. fieldi as antigen, species-specific and cross-reactions, effect of therapy, implications for immunodiagnosis

Immunity, Cross-reactions
Felsenfeld, O.; and Wolf, R. H., 1973, Ann. Trop. Med. and Parasitol., v. 67 (3), 335-340
cross-reactions and interference between Trypanosoma brucei and Borrelia turicatae, antigenic analysis, fluorescent antibody, and immobilisine studies, prolonged survival of mice simultaneously infected with both species

Immunity, Cross-reactions
Frenkel, J. K., 1977, J. Parasitol., v. 63 (4), 611-628
Besnoitia wallacei, mice, rats, cats, serologic tests, cross reactions with B. jellisoni, Toxoplasma gondii, and Sarcocystis muris, immunity to challenge, slight cross-immunity with B. jellisoni in mice and rats

Immunity, Cross-reactions
Fromentin, H., 1974, J. Protozool., v. 21 (3), 470 [Abstract]
Trypanosoma brucei gambiense strain M'Bala Victor, ability to protect against 2 heterologous strains (Eliane and Huguette), mice

Immunity, Cross-reactions
Golenser, J.; et al., 1977, Clin. and Exper. Immunol., v. 29 (1), 43-51
Plasmodium berghei, rats immunized with sporozoites or infected blood, indirect fluorescent antibody tests, crossreactivity using as antigen sporozoites, exoerythrocytic forms, or blood schizonts, protection or lack of protection against challenge with sporozoites or infected blood

Immunity, Cross-reactions
Golenser, J.; Verhave, J. P.; and Meuwissen, J. H. E. T., 1977, Parasitology, v. 75 (2), xxxi-xxxii [Abstract]
Plasmodium berghei, specificity of antibody responses to different life-cycle stages, results indicate different antigenic determinants but also certain common antigens

Immunity, Cross-reactions
Goodger, B. V., 1973, Austral. Vet. J., v. 49 (2), 81-84
improved sensitivity of haemagglutination test for Babesia bigemina antibody using antigen obtained from lysate of infected erythrocytes; cross-reaction with B. argentina antisera, comparing cross-reactions of antigens from both species enables differentiation without inhibition techniques

Immunity, Cross-reactions
Gravely, S. M.; and Kreier, J. P., 1974, Tropenmed. u. Parasitol., v. 25 (2), 198-206
Babesia microti, removal from infected hamster erythrocytes by continuous-flow ultrasonication, freed parasites collected by differential centrifugation, effectiveness of this system of lysis evaluated by electron microscopy and parasites evaluated serologically by complement-fixation testing, cross-reactions with sera from Plasmodium berghei-infected hamsters may be due to erythrocyte contamination

Immunity, Cross-reactions
Grootenhuis, J. G.; et al., 1975, J. Wildlife Dis., v. 11 (1), 122-127
impala Theileria, no cross-reactivity with other theilerial parasites, indirect fluorescent antibody test

Immunity, Cross-reactions
Grymberg, N.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (1), 35-36
mice, immunization with Crithidia fasciculata (live suspension, ribosomal fraction, and purified RNA) induced certain degree of protection (decrease of parasitaemia) against infection with Trypanosoma cruzi

Immunity, Cross-reactions
Hamburger, J.; Pelley, R. P.; and Warren, K. S., 1976, J. Immunol., v. 117 (5), pt. 1, 1561-1566
Schistosoma mansoni, three major egg antigens, determination of stage and species specificity by radioimmunoassay

Immunity, Cross-reactions
Hargreaves, B. J.; et al., 1975, Ann. Trop. Med. and Parasitol., v. 69 (3), 289-299
Plasmodium berghei yoelii, mice, protective immunity induced by mild parasite strains against virulent line, effect of increased inocula and time course of infection, further studies testing cross-protection against P. b. berghei and P. v. vinckei

Immunity, Cross-reactions
Henning, J.; et al., 1974, Behring Inst. Mitt. (54), 107-109
C[ysticercus] bovis, calves (exper.), indirect haemagglutination tests with antigens from C[ysticercus] bovis, C[ysticercus] longicollis and T[aenia] saginata, all suitable except with infections of less than ten parasites

Immunity, Cross-reactions
Higashi, G. I.; and Young, S. W., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 343 [Letter]
human schistosomes, antigenic relationships with salmonellae, possibly shared surface antigens aid symbiotic state

Immunity, Cross-reactions
Hillyer, G. V., 1976, Am. J. Trop. Med. and Hyg., v. 25 (3), 432-436
Schistosoma japonicum, chimpanzees, presence of circulating antigens in serum between 6 and 9 weeks post-exposure with later clearance, these antigens cross-react with antiserum against S. mansoni, persistence of these antigens could result in observed renal damage

Immunity, Cross-reactions
Hillyer, G. V., 1976, Fed. Proc., v. 35 (14), 2568-2571
Fasciola hepatica antigens used in protecting against Schistosoma mansoni challenge, common and/or cross-reacting antigens between S. mansoni, S. japonicum, and F. hepatica, possible role of eosinophil in acquired resistance

Immunity, Cross-reactions
Hillyer, G. V.; and Capron, A., 1976, J. Parasitol., v. 62 (6), 1011-1013
Fasciola hepatica, human, immunodiagnosis by counterelectrophoresis, extensive cross-reactivity with sera from patients with various other parasitic infections, partial purification of antigen eliminates much of this cross-reactivity

Immunity, Cross-reactions
Hillyer, G.V.; del Llano de Diaz, A.; and Reyes, C.N., 1977, Exper. Parasitol., v. 42 (2), 348-355
Schistosoma mansoni, mice, hamsters, immunization using antigens of Fasciola hepatica

Immunity, Cross-reactions
Hogarth-Scott, R. S.; and Feery, B. J., 1976, Austral. J. Exper. Biol. and Med. Sc., v. 54 (4), 317-327
existence of cross-reacting antigens between Toxocara canis and Ascaris spp. and probably between T. canis and other nematodes confirmed by in vitro and in vivo tests, such cross-reactions compromise usefulness of skin tests in diagnosis

Immunity, Cross-reactions
Holbrook, T. W.; and Palczuk, N. C., 1975, Am. J. Trop. Med. and Hyg., v. 24 (4), 704-706
Leishmania donovani, 2 geographic strains compared with respect to degree of resistance of recovered mice to homologous and heterologous strain challenge

Immunity, Cross-reactions
Hommel, M.; and Miltgen, F., 1973, J. Protozool., v. 20 (4), 527
Trypanosoma blanchardi, T. rabinowitschae, adaptation to mice by passage through cultures and then sarcomatous mice, strong cross immunity between T. musculi and mouse-adapted strains; adaptation of T. lewisi to mice using same method was not possible; this new culture system was used to cultivate T. brucei

Immunity, Cross-reactions
Hopkins, C. A.; Goodall, R. I.; and Zajac, A., 1977, Parasitology, v. 74 (2), 175-183
Hymenolepis diminuta, H. microstoma, mice, effect of primary immunizing infection with one species on growth and survival of secondary infection with heterologous species; data on longevity and pattern of worm loss in primary H. microstoma infections in mice; results show that H. microstoma in low level infections is able to evade host immune response, heavier worm burden initiates worm loss which may be physiologically ('crowding effect') rather than immunologically mediated

Immunity, Cross-reactions
Huebsch, R. M.; Sulzer, A. J.; and Kagan, I. G., 1976, J. Parasitol., v. 62 (4), 523-527
evaluation of sensitivity and specificity of indirect immunofluorescence test for autoimmune-type EVI antibodies in sera of patients with Chagas disease (Trypanosoma cruzi), leishmaniasis (Leishmania brasiliensis, L. donovani), malaria, and several other nonparasitic diseases; second type of staining of heart tissue also reported for patients with leishmaniasis and malaria but not Chagas' disease

Immunity, Cross-reactions
Hungerer, K. D.; et al., 1974, Behring Inst. Mitt. (54), 100-106
C[ysticercus] bovis, C. longicollis, T[aenia] saginata, production and purification of antigens, use in indirect haemagglutination test, tests of cross reactions

Immunity, Cross-reactions
Hussein, H. S., 1977, Ann. Trop. Med. and Parasitol., v. 71 (3), 249-253
Babesia hylomysci, B. microti, mice (exper.), recovery from primary infection of B. microti results in sterile immunity possibly for lifetime, recovery from B. hylomysci results in premunition with infection at subpatent levels with spontaneous relapses, cross-protection occurs between the two species

Immunity, Cross-reactions
Kazacos, K. R., 1975, Vet. Parasitol., v. 1 (2), 165-174
Trichinella spiralis-immunized rats, increased resistance to Nippostrongylus brasiliensis, heterologous and homologous tests of immune precipitate formation on infective larvae

Immunity, Cross-reactions
Kazacos, K. R., 1976, J. Parasitol., v. 62 (3) 493-494
Trichinella spiralis-immunized rats, increased resistance to Strongyloides ratti; lack of cross-reacting precipitating antibodies in in vitro tests

Immunity, Cross-reactions
Kazacos, K. R.; and Thorson, R. E., 1975, J. Parasitol., v. 61 (3), 525-529
rats, immunization with Nippostrongylus brasiliensis or Strongyloides ratti protected against homologous and heterologous challenge; precipitates formed on infective larvae incubated in vitro in homologous or heterologous immune globulins

Immunity, Cross-reactions
Kazacos, K. R.; and Thorson, R. E., 1975, Proc. Helminth. Soc. Washington, v. 42 (2), 170-171
Mesocestoides corti larval excretory and secretory (ES) antigens had no effect on the establishment and development of Hymenolepis diminuta cysticercoids in rats

Immunity, Cross-reactions
Kierszenbaum, F., 1976, J. Parasitol., v. 62 (1), 134-135
Trypanosoma cruzi, no difference in susceptibility of Y and Tulahuen strains to immune lysis, exacerbation of infection with both strains by complement depletion, mice

Immunity, Cross-reactions
Kimber, C. D.; and Young, A. S., 1977, Ann. Trop. Med. and Parasitol., v. 71 (1), 1-10
Theileria mutans (Aitong), cattle infected by cyclical and mechanical transmission, response to infection studied using indirect fluorescent antibody technique with piroplasm and schizont antigens, indistinguishable reactions with different strains of T. mutans but easily distinguishable reactions from other Theileria spp.

Immunity, Cross-reactions
Klesius, P. H.; et al., 1977, Exper. Parasitol., v. 41 (2), 480-490
Eimeria bovis, cattle, evidence for cell-mediated immune response shown by delayed hypersensitivity skin tests and lymphocyte blastogenesis with antigens extracted from oocysts of E. bovis and E. stiedai, cross-reactivity between two species

Immunity, Cross-reactions
Komandarev, S.; and Mikhov, L., 1973, Izvest. Tsentral. Khelmint. Lab., v. 16, 111-118
Trichinella spiralis-immunized mice, immunity to homologous and heterologous (Ascaris suum) challenge

Immunity, Cross-reactions
Krahenbuhl, J. L.; and Remington, J. S., 1971, Infect. and Immun., v. 4 (4), 337-343
Toxoplasma gondii-sensitized spleen cells in vitro in presence of specific antigen have capacity to activate or enhance microbicidal properties of normal peritoneal macrophages against Listeria

Immunity, Cross-reactions
Lainson, R.; and Shaw, J. J., 1977, J. Trop. Med. and Hyg., v. 80 (2), 29-35
cross-immunity trials with Cebus apella apella and observations on natural and experimental human infections confirm separate identity of Leishmania mexicana mexicana, L. m. amazonensis, L. braziliensis braziliensis, L. b. guyanensis and L. b. panamensis

Immunity, Cross-reactions
Lawrence, J. A., 1977, Research Vet. Sc., v. 23 (3), 288-292
Schistosoma mattheei, Friesian steers (exper.), antibody response followed up to 76 weeks by complement fixation, indirect haemagglutination, and indirect immunofluorescent tests, strong cross-reaction to Fasciola gigantica and Paramphistomum microbothrium in CF test, while IH and IF tests were specific; IF test of proven value in diagnosis of clinical schistosomiasis

Immunity, Cross-reactions
Liston, A. J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 6 [Demonstration]
Trypanosoma cruzi, T. dionisii, T. vespertilionis, cell mediated immune responses in mice, some cross-reactivity of antigens but homologous responses stronger

Immunity, Cross-reactions
Loehr, K. F.; Ross, J. P. J.; and Meyer, H., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (1), 86-95
Anaplasma marginale, A. centrale, cattle, homologous and heterologous indirect fluorescent antibody and capillary tube agglutination responses to primary infection and reinfection and to cross-infection with the heterologous organisms, clinical reactions; A. centrale carrier animals showed high degree of premunity to severe challenge with A. marginale

Immunity, Cross-reactions
Long, P. L.; Millard, B. J.; and Shirley, M. W., 1977, Parasitology, v. 75 (2), 177-182
Eimeria meleagrimitis from turkeys, oocyst measurements, sporulation and prepatent times, pathogenicity, cross-immunity tests, electrophoretic analysis of enzymes, documentation of strain variation shows that extreme caution should be used in identifying species of Eimeria from the turkey by their oocyst characters

Immunity, Cross-reactions
Machnicka, B., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 213-221
Taenia saginata, humans, Cysticercus bovis, calves, antibody response, cross-reactions indicating antigenic relationship between adult and larval form, passive hemagglutination, indirect immunofluorescence, gel precipitation, immunoelectrophoresis

Immunity, Cross-reactions
Mahmoud, A. A. F.; Warren, K. S.; and Strickland, G. T., 1976, Nature, London (5572), v. 263, 56-57
acquired resistance to infection with Schistosoma mansoni induced by Toxoplasma gondii, mice, probably a nonspecific mechanism totally different from that of specific immunity

Immunity, Cross-reactions
Mahoney, D. F.; and Wright, I. G., 1976, Vet. Parasitol., v. 2 (3), 273-282
Babesia argentina, cattle, immunization with killed antigen against infection with heterologous strain, effect of vaccination on certain pathological parameters

Immunity, Cross-reactions
Marcoullis, G.; and Graesbeck, R., 1976, Tropenmed. u. Parasitol., v. 27 (3), 314-322
Onchocerca volvulus, antigen extracts, preliminary identification and characterization; cross-reactions in immunodiffusion using other helminth antigens and sera from patients with other parasitic diseases

Immunity, Cross-reactions
Markus, M. B., 1973, N. England J. Med., v. 289 (18), 980-981 [Letter]
human Toxoplasma gondii, no evidence for cross-reactions of routine serologic tests for toxoplasmosis with sarcosporidiosis and isosporosis

Immunity, Cross-reactions
Martaresche, B.; et al., 1975, Medecine Trop., v. 35 (4), 309-310
human Plasmodium falciparum, positive immunofluorescence test for leishmaniasis

Immunity, Cross-reactions
Matossian-Rogers, A.; Lumsden, W. H. R.; and Dumonde, D. C., 1976, Immunology, v. 31 (1), 1-19
Leishmania enriettii, L. tropica major, L. aethiopica, L. mexicana amazonensis, numerical immunotaxonomy, differentiation according to reactivity and cross-reactivity in tests of parasite agglutination, indirect immunofluorescence, and passive cutaneous anaphylaxis

Immunity, Cross-reactions
Michael, S. A.; and Saleh, S. M., 1977, Trop. Animal Health and Prod., v. 9 (4), 241-244
Dipetalonema evansi, camels, slide agglutination test for diagnosis, high number of positives from D. evansi infections, no positives in camels infected with Trypanosoma evansi

Immunity, Cross-reactions
Mitchell, G. H.; et al., 1977, Lancet, London (8026), v. 1, 1335-1338
Plasmodium falciparum, successful vaccination of Aotus trivirgatus griseimembra (exper.) with erythrocytic merozoites, immunity specific for falciparum malaria, technique for isolating merozoites from infected human blood

Immunity, Cross-reactions
Morzaria, S. P.; et al., 1977, Research Vet. Sc., v. 22 (3), 330-333
Theileria mutans, comparison of British strain with East and South African strains and other Theileria spp. using indirect fluorescent antibody test, no cross-reactions were detected, concluded that British strain of T. mutans could be a distinct species from African strains of T. mutans

Immunity, Cross-reactions
Mpangala, C.; Uilenberg, G.; and Schreuder, B. E. C., 1976, Tropenmed. u. Parasitol., v. 27 (2), 192-196
serological characterization of Haematoxenus veliferus from cattle using the indirect fluorescent antibody test, no cross-reactions with either Theileria parva or T. mutans

Immunity, Cross-reactions
Musoke, A. J.; and Williams, J. F., 1976, Internat. J. Parasitol., v. 6 (3), 265-269
intraperitoneally implanted metacestodes of Taenia taeniaeformis or T. crassiceps (but not Echinococcus granulosus cysts) provoked high resistance to oral challenge with T. taeniaeformis eggs, resistance passively transferred with serum (IgG$_1$ and IgM most effective), cysticerci implanted into rats with hepatic infections were killed and encapsulated, repeated inoculation of immune serum had no effect on survival of implanted cysticerci

Immunity, Cross-reactions
Nelson, G. S., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 273-285
schistosomiasis, filariasis, zooprophylaxis ("the prevention or amelioration of disease in man as the result of previous exposure to heterologous infections of animal origin")

Immunity, Cross-reactions
Neppert, J., 1974, Tropenmed. u. Parasitol., v. 25 (4), 454-463
cross-reacting antigens among some filariae and other helminths, closed hexagonal immunodiffusion technique, implications for serodiagnosis of filariasis

Immunity, Cross-reactions
Neppert, J.; and Warns, C.-M., 1974, Tropenmed. u. Parasitol., v. 25 (4), 492-497
sera from Liberians with various helminthic infections, cross reactions with antigens from Ascaris, hookworm, Onchocerca, Dirofilaria immitis, closed hexagon immunodiffusion, complement fixation reaction, indirect haemagglutination

Immunity, Cross-reactions
Norton, C. C.; and Hein, H. E., 1976, Parasitology, v. 72 (3), 345-354
Eimeria maxima, comparison of 3 strains (Weybridge, Houghton, and a fresh field isolate), oocyst measurements, pathogenicity, oocyst production, immunity to homologous not heterologous challenge, chickens

Immunity, Cross-reactions
Nussenzweig, R. S.; et al., 1973, J. Immunol., v. 110 (2), 600-601
Plasmodium cynomolgi, P. falciparum, production of antibodies against sporozoites in rats, no cross-reaction between two species

Immunity, Cross-reactions
Oelerich, S., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (3), 296-304
Leishmania spp., Trypanosoma cruzi, Crithidia sp., Mycobacterium smegmatis, antigenic analyses and cross reactions, double gel-diffusion, complement-fixation, indirect hemagglutination

Immunity, Cross-reactions
Oelerich, S.; and Nwokolo, C., 1974, Tropenmed. u. Parasitol., v. 25 (2), 137-146
Paragonimus uterobilateralis, sera from 27 patients, complement fixation, indirect hemagglutination, double gel diffusion, reactions with homologous antigen and cross-reactions with other helminth antigens, disc-electrophoretic analysis of P. uterobilateralis antigen: Nigeria

Immunity, Cross-reactions
Oelerich, S.; Umaly, R. C.; and Lederer, I., 1974, Tropenmed. u. Parasitol., v. 25 (3), 318-326
Schistosoma mansoni, different developmental stages, S. japonicum, Fasciola hepatica, Ascaris suum, cross reactions in double gel diffusion, Cerkarienhullenreaktion, complement fixation, indirect immunofluorescence, indirect haemagglutination, mice, rabbits

Immunity, Cross-reactions
Oelerich, S.; and Volkmer, K. J., 1976, Tropenmed. u. Parasitol., v. 27 (1), 44-49
Paragonimus uterobilateralis, Paragonimus africanus, use of passive hemagglutination test in diagnosis, evaluation of treatment measures, and in seroepidemiologic surveys, demonstration of common antigens, comparative studies of immunoglobulin levels and complement fixation not useful

Immunity, Cross-reactions
Oteng, A. K., 1973, Bull. Epizoot. Dis. Africa, v. 21 (4), 449-459
Uganda strain of Theileria parva, cattle (exper.), symptoms, fever, haematology, parasitaemia, pathology, transmission by blood and Rhipicephalus appendiculatus, no cross-immunity between strains of T. parva

Immunity, Cross-reactions
Pampiglione, S.; et al., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 62-65
human cutaneous leishmaniasis, leishmanin skin test epidemiologic survey of old endemic areas, statistics, no cross-reactions with tuberculin tests: Italian Adriatic coast

Immunity, Cross-reactions
Paris, J.; Wilson, A. J.; and Gray, A. R., 1976, Ann. Trop. Med. and Parasitol., v. 70 (1), 45-51
Trypanosoma brucei, 11 stabilates (prepared from isolates collected from cattle and tsetse flies in three areas of East Africa), serologic comparison of predominant variant antigens by direct agglutination tests, more sensitive in detection of antigenic relationships than comparisons founded on basic strain antigens

Immunity, Cross-reactions
Pereira, N. M.; et al., 1977, J. Protozool., v. 24 (4), 511-514
Crithidia fasciculata, Herpetomonas samuelpessoai, Leishmania tarentolae, isolation of flagella, 3 types of flagella give similar electrophoretic pattern of proteins, H. samuelpessoai and to a lesser extent C. fasciculata flagella confer protection against Trypanosoma cruzi infections in mice

Immunity, Cross-reactions
Phillips, T. M.; and Draper, C. C., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 435-436 [Demonstration]
affinity chromatography used to purify Schistosoma mansoni egg antigen to remove cross-reactivity with S. haematobium, specific antigen isolated

Immunity, Cross-reactions
Playfair, J. H. L.; de Souza, J. B.; and Cottrell, B. J., 1977, Immunology, v. 32 (5), 681-687
Plasmodium spp., Babesia microti, mouse helper T-cell response to parasites measured by using them as carriers for a standard hapten, results show extensive cross-reaction between the 4 parasites as carriers apparently unrelated to known serological cross-reactions but are against the idea that helper T-cells are exclusively responsible for resistance

Immunity, Cross-reactions
Playfair, J. H. L.; de Souza, J. B.; and Cottrell, B. J., 1977, Immunology, v. 33 (4), 507-515
Plasmodium yoelii, P. vinckei, P. berghei, mice, regime of killed homologous vaccine plus Bordetella pertussis adjuvant, differences between species in effectiveness of protection, some cross-protection but largely species-specific, passive transfer of immunity to P. yoelii by serum or spleen cells

Immunity, Cross-reactions
Politzar, H., 1974, Tropenmed. u. Parasitol., v. 25 (1), 22-27
Trypanosoma vivax alone or with T. brucei and T. congolense, cattle (exper.), homologous and heterologous antibody responses determined by indirect fluorescent antibody test

Immunity, Cross-reactions
Radley, D. E.; et al., 1975, Vet. Parasitol., v. 1 (1), 35-41
Bos taurus, chemoprophylactic (oxytetracycline) immunization against Theileria parva (Muguga) or each of 5 recently-isolated theilerial strains (4 T. parva and 1 T. lawrencei), response to homologous and heterologous challenge

Immunity, Cross-reactions
Radley, D. E.; et al., 1975, Vet. Parasitol., v. 1 (1), 43-50
Bos taurus immunized either by chemoprophylaxis (oxytetracycline) or sub-lethal infection against various strains of Theileria lawrencei or T. parva, response to homologous and heterologous challenge

Immunity, Cross-reactions
Radley, D. E.; et al., 1975, Vet. Parasitol., v. 1 (1), 51-60
Bos taurus, chemoprophylactic (oxytetracycline) immunization using a combination of theilerial strains (Theileria parva and T. lawrencei), response to challenge better than animals immunized with only 1 or 2 strains

Immunity, Cross-reactions
Rasin, K., 1973, Vet. Med., Praha, v. 46, v. 18 (10), 593-618
Toxoplasma gondii (14 strains), Isospora felis, cats, natural and exper. infections, chronology of oocyst elimination; mixed infections; no cross immunity

Immunity, Cross-reactions
Rickard, M. D.; and Adolph, A. J., 1976, Vet. Parasitol., v. 1 (4), 389-392
calves vaccinated with antigens collected during in vitro cultivation of larval Taenia ovis, T. hydatigena, or T. saginata, resistance to subsequent challenge with T. saginata

Immunity, Cross-reactions
Rickard, M. D.; and Coman, B. J., 1977, Internat. J. Parasitol., v. 7 (4), 257-267
Taenia hydatigena, T. ovis, T. pisiformis, rabbits, cross immunity, penetration of oncospheres into host intestinal epithelium, degree of development in host liver following oral infection with eggs, enhancement of T. pisiformis challenge infection following vaccination with T. ovis culture antigen

Immunity, Cross-reactions
Rifaat, M. A.; et al., 1976, J. Trop. Med. and Hyg., v. 79 (3), 67-70
seroepidemiolgoic survey of stray cats for Toxoplasma gondii antibodies and role in epidemiology of human infection, no cross-immunity with Isospora spp. in relationship study, high percentage of cats surveyed shedding oocysts in feces: Cairo, Egypt

Immunity, Cross-reactions
Rogers, S.; and Goldsmid, J. M., 1977, Ann. Trop. Med. and Parasitol., v. 71 (4), 503-504
Ternidens deminutus, man, indirect fluorescent antibody test evaluated for possible diagnostic use, some cross reactions with Necator americanus, promising epidemiologic tool

Immunity, Cross-reactions
Ruitenberg, E. J.; and Buys, J., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 31-36
Trypanosoma brucei, enzyme-linked immunosorbent assay (ELISA) for serodiagnosis of human African sleeping sickness, comparison tests with immunofluorescence technique showed good results in rabbits (exper.) and serum from infected humans, cross-reactions only in person with Leishmania antibodies, possible application to epidemiologic surveys

Immunity, Cross-reactions
Ruskin, J.; and Remington, J. S., 1971, J. Reticuloendothel. Soc., v. 9 (5), 465-479
mice immunized with Toxoplasma vaccine and adjuvant are protected against challenge with Listeria

Immunity, Cross-reactions
Ryley, J. F.; and Hardman, L., 1977, J. Protozool., v. 24 (4), 43A [Abstract]
Eimeria mivati, E. acervulina, speciation studies using drug resistance as genetic marker, immunization experiments indicate little if any cross-immunity

Immunity, Cross-reactions
Schenone, H.; et al., 1974, Bol. Chileno Parasitol., v. 29 (3-4), 107-108
heterogenetic relationship between Trichinella spiralis and typhoid and paratyphoid antigenic fractions

Immunity, Cross-reactions
Schnur, L. F., 1977, J. Protozool., v. 24 (2), Suppl., 5A-6A [Abstract]
Leptomonas, Crithidia, Herpetomonas, L[eishmania] tropica, L[eishmania] tropica major, L[eishmania] tropica minor, L[eishmania] donovani, excreted metabolic factors (EF) and homologous antisera, cross-reactions, no EF apparently produced by Trypanosoma cruzi, suggests closer relationship between insect flagellates and leishmanias than between these and trypanosomes like Trypanosoma cruzi

Immunity, Cross-reactions
Schottelius, J., 1977, Tropenmed. u. Parasitol., v. 28 (2), 202-204
latex Chagas test performed on sera of Bartonella bacilliformis-infected humans, Haemobartonella muris-infected rats, and Eperythrozoon coccoides-infected mice, positive reaction observed only with rat sera, nature of this cross-reaction has not been clarified

Immunity, Cross-reactions
Senft, A. W.; and Maddison, S. E., 1975, Am. J. Trop. Med. and Hyg., v. 24 (1), 83-89
proteolytic enzyme of Schistosoma mansoni induced histaminic skin reactions in laboratory animals without cross reactions from other Schistosoma spp., preliminary skin test trials in humans suggest value as diagnostic test for schistosomiasis

Immunity, Cross-reactions
Smith, M. A.; Clegg, J. A.; and Webbe, G., 1976, Parasitology, v. 73 (1), 53-64
Schistosoma mansoni, S. haematobium, hamsters, substantial cross-immunity, detection of common surface antigens

Immunity, Cross-reactions
Smith, M.; and Webbe, G., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 9-10 [Demonstration]
Schistosoma haematobium and S. mansoni in vitro, anti-sera of both species showed little or no detectable activity against each other suggesting no cross-immunity between the two

Immunity, Cross-reactions
Smith, M.; and Webbe, G., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 70-71 [Letter]
Schistosoma mansoni, S. haematobium, in vitro studies suggest that there may be no cross-immunity between the two species

Immunity, Cross-reactions
Smrkovski, L. L.: and Larson, C. L., 1977, Infect. and Immun., v. 18 (2), 561-562
Leishmania donovani, antigenic cross-reactivity with Mycobacterium bovis demonstrated using delayed hypersensitivity as a criterion

Immunity, Cross-reactions
Soennichsen, N.; and Barthelmes, H., 1976, Ang. Parasitol., v. 17 (2), 65-70
scabies, human, epidemiology, skin tests, cross reactions between Notoedres alepis and Sarcoptes scabiei, diagnostic value of tests

Immunity, Cross-reactions
Souza, M. do C.; et al., 1974, J. Protozool., v. 21 (4), 579-584
living culture forms of Leptomonas pessoai cross-protected mice against Trypanosoma cruzi challenge infection, circulating antibodies detected in immunized mice by immunodiffusion, passive haemagglutination, complement fixation, and antibody binding assay which cross-reacted with T. cruzi extracts, cellular immune response indicated by leucocyte migration inhibition

Immunity, Cross-reactions
Souza, M. do C. M.; and Roitman, I., 1971, Rev. Microbiol., S. Paulo, v. 2 (4), 187-189
Trypanosoma cruzi, high degree of protection in mice previously immunized with vaccine of Leptomonas pessoai (living suspension)

Immunity, Cross-reactions
Stevens, A. R.; et al., 1977, J. Protozool., v. 24 (2), 316-324
Acanthamoeba castellanii, A. culbertsoni, isolation and purity of plasma membrane antigens (electron microscopy, assays of marker enzymes), antisera raised against these antigens tested against homologous and heterologous Acanthamoeba spp. in agglutination and immunofluorescence tests, results strongly indicate value of plasma membrane antisera for immunotaxonomy and immunodiagnosis of Acanthamoeba

Immunity, Cross-reactions
Stevenson, P.; and Jacobs, D. E., 1977, J. Helminth., v. 51 (2), 149-154
Toxocara canis, T. cati, Ascaris suum, Toxascaris leonina, Parascaris equorum, pigs (exper.), in vitro larval precipitate test and indirect fluorescent antibody test using T. canis larvae as antigen, indirect fluorescent antibody test using A. suum larvae as antigen, specificity

Immunity, Cross-reactions
Stromberg, B. E.; and Soulsby, E. J. L., 1977, Vet. Parasitol., v. 3 (2), 169-175
Ascaris suum, guinea pigs, heterologous resistance induced by Toxocara canis and Ancylostoma caninum but not by Haemonchus contortus, Caenorhabditis briggsae, or Turbatrix aceti

Immunity, Cross-reactions
Tailliez, R.; Biguet, J.; and Doby, J.-M., 1976, Rev. Med. Vet., Toulouse, v. 127 (4), 653-656, 659-662, 665-668
bovine cysticercosis diagnosis assays, passive micro-hemagglutination test using Taenia saginata, Cysticercus bovis, Fasciola hepatica and Moniezia expansa extracts and various coupling agents plus serum from infected cattle, poor results, false positives

Immunity, Cross-reactions
Todorovic, R. A.; and Long, R. F., 1976, Tropenmed. u. Parasitol., v. 27 (2), 169-181
indirect fluorescent antibody test found superior to complement fixation test as epidemiologic tool to detect Babesia bigemina and B. argentina infections in cattle, some cross reactivity in differentiating between spp.: Colombia

Immunity, Cross-reactions
Umaly, R. C.; Oelerich, S.; and Haas, J., 1974, Tropenmed. u. Parasitol., v. 25 (4), 422-432
Schistosoma haematobium, human, with and without other helminthic infections, serodiagnosis, various schistosome antigens plus Ascaris suum and Fasciola hepatica tested in Cercarienhullenreaktion, indirect immunofluorescence, indirect haemagglutination, complement fixation, and double gel diffusion tests, evaluation of sensitivity and specificity, attempt to correlate results of serologic tests with some clinical symptoms and with influence of chemotherapy

Immunity, Cross-reactions
Visvesvara, G. S.; and Balamuth, W., 1975, J. Protozool., v. 22 (2), 245-256
Acanthamoeba, Naegleria, Hartmannella, comparative studies on free-living and pathogenic amebae: cyst structure; nutrition; protein composition; immunology; cell free plaques and other cytopathic effects; phospholipase liberation; sensitivity to amphotericin B

Immunity, Cross-reactions
Visvesvara, G. S.; and Healy, G. R., 1973, J. Protozool., v. 20 (4), 522
pathogenic vs. free-living Naegleria, comparison by gel-diffusion and immunoelectrophoresis reactions

Immunity, Cross-reactions
Vizcaino G., O.; and Todorovic, R. A., 1975, Rev. Inst. Colomb. Agropec., v. 10 (1), 77-85
Babesia bigemina, B. argentina, characterization of antigens, complement fixation, immunodiffusion, cross-immunity tests

Immunity, Cross-reactions
Warren, K. S.; et al., 1976, J. Infect. Dis., v. 134 (3), 277-280
Trichinella spiralis, human, murine, eosinophil stimulation promoter test, aid in diagnosis, specificity established by lack of cross-reactions with Schistosoma mansoni

Immunity, Cross-reactions
Weissberger, H.; Spira, D. T.; and Zuckerman, A., 1973, J. Protozool., v. 20 (4), 534-535
Leishmania enriettii-infected guinea pigs, delayed hypersensitivity reactions to homologous and heterologous (L. tropica, L. donovani, L. tarentolae) antigens, skin test, blast transformation, macrophage migration inhibition

Immunity, Cross-reactions
Welch, J. S.; and Dobson, C., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (6), 466-472
comparative fluorescent antibody test survey of Aborigines and Caucasians for presence of antibodies to Dirofilaria immitis and correlations with canine filariasis; cross-reactions to Toxocara canis observed only in presence of eosinophilia: Queensland, Australia

Immunity, Cross-reactions
Willaert, E.; and Stevens, A. R., 1976, Path. Biol., v. 24 (2), 89-91
Acanthamoeba castellani, purified plasma membranes, elicited antisera assayed by immunoprecipitation and immunofluorescence methods, cross reaction with other species of Acanthamoeba; plasma membrane antisera may allow identification of species or even strains

Immunity, Cross-reactions
Wong, H. S. W.; Embil, J. A.; and Ozere, R. L., 1976, Exper. Parasitol., v. 40 (3), 421-426
Ascaris suum, Toxocara canis, guinea pigs sensitized with egg extract antigens, dermal reactivity, macrophage migration inhibition test, and lymphocyte transformation using homologous and heterologous antigens

Immunity, Cross-reactions
Wosu, N. J.; et al., 1977, Lab. Animal Sc., v. 27 (2), 210-216
Encephalitozoon cuniculi, rabbits (exper.), diagnosis by immunofluorescence and intradermal test, no cross reactions between E. cuniculi and experimentally induced Toxoplasma gondii, Eimeria perforans, or E. stiedai

Immunity, Cross-reactions
Yarzabal, L. A.; et al., 1977, J. Parasitol., v. 63 (3), 495-499
antigen 5 of Echinococcus granulosus found to also be a component of E. multilocularis, radioimmunoelectrophoretic, immunodiffusion, and immunoabsorption studies, implications for immunodiagnosis of hydatid disease

Immunity, Cross-reactions
Yeates, R. A.; and Ogilvie, B. M., 1976, J. Immunol. Methods, v. 12 (1-2), 57-65
Nippostrongylus brasiliensis, Necator americanus, measurement of antibodies to an unpurified enzyme (acetylcholinesterase) using an active-site directed radiolabel, cross-reactions between the two species

Immunity, Cross-reactions
Zeledon, R.; and Ponce, C., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (5), 414-415 [Letter]
human chronic Chagas disease, immediate skin test reaction using soluble protein antigen from parasites grown in culture, cross-reaction from cutaneous leishmaniasis differentiated by Montenegro test

Immunity, Cross-reactions
Zuckerman, A., 1977, Exper. Parasitol., v. 42 (2), 374-446
Plasmodium, immunology, extensive review: immunodiagnosis and seroepidemiology; immunopathology; antigenic analysis; host responses; immunoglobulins; cell-mediated reactions

Immunity, Cutaneous reactions. See Immunity, Skin tests.

Immunity, Diagnosis. [See also Immunity, Agglutination; Immunity, Complement; Immunity, Enzyme labelling; Immunity, Immobilization; Immunity, Lymphocyte transformation; Immnity, Macrophage migration test; Immunity, Precipitation; Immunity, Radioimmunoassay; Immunity, Skin tests; Immunofluorescence]

Immunity, Diagnosis
Ahluwalia, S. S., 1972, Indian J. Animal Sc., v. 42 (12), 1029-1031
Schistosoma incognitum, pigs (exper.), evaluation of Cercarien-Hullen reaction

Immunity, Diagnosis
Alexander, M.; and Putzmann, L., 1974, Munchen. Med. Wchnschr., v. 116 (34), 1481-1484
human toxoplasmosis, epidemiologic survey for prevalence of infection comparing results of complement fixation and Sabin-Feldman dye test: West Berlin

Immunity, Diagnosis
Altichieri, M.; et al., 1975, Minerva Pediat., v. 27 (11), 656-657
Toxoplasma gondii, seroimmunologic survey of newborn infants and their mothers for evidence of infection

Immunity, Diagnosis
Armenio, I.; Ceci, A.; and Di Bitonto, G., 1975, Minerva Pediat., v. 27 (11), 658-661
toxoplasmosis of newborns and older infants, survey of IgM levels for use in diagnosis and mass screening

Immunity, Diagnosis
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parasitic diseases, molecular basis of immunodiagnostic tests, review

Immunity, Diagnosis
Bayer, R., 1977, Oesterr. Aerztztg., v. 32 (9), 595-600
human toxoplasmosis, considerations during pregnancy, clinical aspects, diagnosis and control measures, review

Immunity, Diagnosis
Berger, J.; and Piekarski, G., 1976, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 236 (4), 543-558
acute Toxoplasma gondii infections, results of serological analysis, influence of standardization, comparison of complement fixation and dye tests, apparent decline in cases since 1969 due to methodological, not epidemiological factors

Immunity, Diagnosis
Berger, J.; and Piekarski, G., 1976, Ztschr. Parasitenk., v. 50 (2), 225
T[oxoplasma] gondii, importance of standardizing techniques of Sabin-Feldman test for reliable results in public health testing in pregnancy and child development

Immunity, Diagnosis
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congenital toxoplasmosis, routine survey of newborn infants for possible latent infections using Sabin-Feldman dye test in conjunction with serologic test for phenylketonuria: France

Immunity, Diagnosis
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human cysticercosis, problems in immunologic diagnosis, brief review

Immunity, Diagnosis
Bloch-Michel, H.; and Waltzing, P., 1973, Nouv. Presse Med., v. 2 (6), 382 [Letter]
human filariasis, application of rosette phenomenon for diagnosis

Immunity, Diagnosis
Boongrapu, P.; and Tharavanij, S., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 557 [Demonstration]
Entamoeba histolytica, clinical evaluation of serological tests for amoebiasis in humans

Immunity, Diagnosis
Bourgoin, P. A.; Rothschild, P.; and Manassero, J., 1974, Nice Med., v. 12 (1), 33-35
late pregnancy toxoplasmosis with infection of both mother and child not diagnosed until after delivery since mother had no antibodies against infection during early pregnancy

Immunity, Diagnosis
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strongyloses of swine, immunological phenomena, clinical manifestations, applications in diagnosis, prophylaxis and treatment, review

Immunity, Diagnosis
Calderon M., C., 1970, Bol. Chileno Parasitol., v. 25 (3-4), 129-133
Echinococcus granulosus, human, review of immunologic methods currently used for diagnosis

Immunity, Diagnosis
Claus, G. E.; Christie, E.; and Dubey, J. P. 1977, J. Parasitol., v. 63 (2), 266
Toxoplasma gondii, 1000 cats, prevalence of antibody, comparison of indirect fluorescent antibody method with dye test: humane society, Columbus, Ohio

Immunity, Diagnosis
Costa, A. J.; et al., 1977, J. Parasitol., v. 63 (2), 212-218
Toxoplasma gondii, exper. infection of Holstein calves with oocysts or cysts, clinical data, parasitemia, detection of antibody with Sabin-Feldman dye test and indirect immunofluorescent test

Immunity, Diagnosis
Couchot, J.; et al., 1975, Medecine Infant., v. 82 (4), 559-566
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Immunity, Diagnosis
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human toxoplasmosis, evaluation of Remington test characterizing immunoglobulin M as a means for diagnosing acute infections

Immunity, Diagnosis
Dorchies, P., 1975, Rev. Med. Vet. Toulouse, v. 126 (10), 1237-1248
helminthiasis, delayed and immediate hypersensitivity, immunological tolerance, epidemiological and pathological aspects, application to diagnosis and immunization, review

Immunity, Diagnosis
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human acute acquired toxoplasmosis, value of lymph-node biopsy in differential diagnosis from other lymphadenopathy; biopsy compared with results of Sabin-Feldman dye test and other immunologic reactions

Immunity, Diagnosis
zum Felde, I.; et al., 1974, Tropenmed. u. Parasitol., v. 25 (4), 477-484
P[lasmodium] falciparum, P. vivax, P. ovale, P. malariae, human, indirect immunoflourescence test with same 4 Plasmodium spp. plus P. fieldi as antigen, species-specific and cross-reactions, effect of therapy, implications for immunodiagnosis

Immunity, Diagnosis
Forsyth, D. M., 1971, Ann. Trop. Med. and Parasitol., v. 65 (4), 505-511
Schistosoma haematobium, human, skin test, plasma card test, neither sufficiently reliable for use in field estimations of prevalence or for diagnosing infection in individual patients, use for routine diagnostic work condemned but may be tools in schistosomiasis research: Zanzibar, Tanzania

Immunity, Diagnosis
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Immunity, Diagnosis
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differential diagnosis of human acquired lymphatic toxoplasmosis, review

Immunity, Diagnosis
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Immunity, Diagnosis
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Schistosoma japonicum, humans, review of currently available immunodiagnostic tests

Immunity, Diagnosis
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diagnostic review of human filariasis

Immunity, Diagnosis
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Immunity, Diagnosis
Hagiwara, T.; Katsube, Y.; and Hanaki, T., 1976, Japan. J. Vet. Sc., v. 38 (5), 517-520
Toxoplasma, swine, dye and hemagglutination tests evaluated for detection of latent infection

Immunity, Diagnosis
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Schistosoma mansoni, allergens, further separation and characterization by Sephadex G-200 and ion-exchange chromatography, multicomponent nature of allergen-reagin axis in rat schistosomiasis, implications for use of purified antigens for field diagnosis of schistosomiasis

Immunity, Diagnosis
Heath, D. D.; and Osborn, P. J., 1976, Internat. J. Parasitol., v. 6 (6), 467-471
Echinococcus granulosus, laminated membrane of parasite not host origin, formation in defined medium, culture of protoscoleces may reduce contaminating host antigens and thus be of value in reducing non-specific reactions during immunodiagnosis

Immunity, Diagnosis
Herbert, I. V.; and Oberg, C., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 199-211
Taenia solium, incidence in man in Chile, pigs (exper.), immunological responses, in vivo and in vitro manifestations, skin testing, passive cutaneous anaphylaxis, indirect haemagglutination, attempt to correlate with autopsy findings for possible serologic diagnosis, some results with T. hydatigena also

Immunity, Diagnosis
Houin, R.; and Bazin, J. C., 1972, Medecine Afrique Noire, v. 19 (6), 537-538
review of methods currently employed in diagnosing human parasitism

Immunity, Diagnosis
Huebner, J.; and Uhlikova, M., 1975, J. Protozool., v. 22 (3), 63A [Abstract]
Toxoplasma gondii, diagnosis, comparison of results of microprecipitation in agar gel, Sabin-Feldman test, and animal inoculation, 2158 animals, results of microprecipitation and animal isolation agree more closely than those of Sabin-Feldman and animal isolation

Immunity, Diagnosis
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toxoplasmosis, lymphatic infection in woman presenting and treated as tuberculosis, successfully treated with daraprim after correct diagnosis with dye test: Norway (native of Iran)

Immunity, Diagnosis
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Echinococcus multilocularis, human, diagnosis, radioallergosorbent test (RAST) compared with 4 other methods of immunodiagnosis

Immunity, Diagnosis
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evaluation of immune state by immunologic techniques, review

Immunity, Diagnosis
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immunodiagnostic tests for human parasitic diseases, review: test selection, comparison of filter paper blood and serum specimens, agreement among tests, application of tests, correlation of results with clinical observations, future use for public health purposes and epidemiologic surveys

Immunity, Diagnosis
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Schistosoma mansoni, in vitro assay for lymphokine eosinophil stimulation promoter, useful in vitro correlate of delayed hypersensitivity, test can be easily performed with human target cells and may be helpful for diagnostic or investigative purposes

Immunity, Diagnosis
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Toxoplasma gondii, human congenital infections, complement fixation test provides valuable laboratory support for diagnosis in conjunction with Sabin-Feldman dye test

Immunity, Diagnosis
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extensive review of techniques used to diagnose human parasitic diseases

Immunity, Diagnosis
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Entamoeba histolytica, surveys for amoebiasis, interpretation of data and their implications, mathematical models

Immunity, Diagnosis
Kobayashi, A.; Soltys, M. A.; and Woo, P.T.K., 1976, Ann. Trop. Med. and Parasitol., v. 70 (1), 53-58
Trypanosoma congolense, sheep, diagnosis, comparison of various parasitological techniques (wet mount preparation; hematocrit centrifuge technique; mouse inoculation test) with various serological techniques (immunolysis test; indirect fluorescent antibody test; complement fixation test; immunoconglutination test), effect of treatment with quinapyramine dimethosulphate on diagnosis

Immunity, Diagnosis
Kuhn, R. E.; and Vaughn, R. T., 1976, Internat. J. Parasitol., v. 6 (2), 129-134
Trypanosoma cruzi, development of indirect assay suitable for studies on immune-mediated trypanosome destruction in vitro, application to complement-dependent antibody-mediated lysis, possible utility in lymphocyte-mediated cytotoxicity and in diagnosis

Immunity, Diagnosis
Lafaye, A., 1974, Medecine Trop., v. 34 (5), 643-652
application of statistical methods to epidemiologic and sero-immunologic surveys for diagnosis of human trypanosomiasis

Immunity, Diagnosis
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Toxoplasma gondii, experimentally infected rats, human patients, immunocytoadherence phenomenon (specific binding of antigen-coated erythrocytes to lymphoid cells), possible new approach for understanding mechanism of immune response and for facilitating early diagnosis

Immunity, Diagnosis
Mannweiler, E.; et al., 1977, Tropenmed. u. Parasitol., v. 28 (1), 23-25
Plasmodium falciparum, P. vivax, strain related differences in immunodiagnosis, antigen variations as cause of antibody titer differences

Immunity, Diagnosis
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human Toxoplasma gondii, no evidence for cross-reactions of routine serologic tests for toxoplasmosis with sarcosporidiosis and isosporosis

Immunity, Diagnosis
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human sarcosporidiosis and toxoplasmosis, problems in serological differential diagnosis

Immunity, Diagnosis
Matossian, R. M., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 101-104
human echinococcosis, immunological diagnosis, discussion and appraisal of usefulness of currently available diagnostic tests (intradermal, complement fixation, hemagglutination, latex agglutination, indirect fluorescent antibody, immunoelectrophoresis, counterimmunoelectrophoresis, enzyme linked immunosorbent assay, radio-immunoassay and lymphocyte transformation), symposium report

Immunity, Diagnosis
de Meuter, F.; and de Decker, H., 1975, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 233 (3), 421-430
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Immunity, Diagnosis
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animal trypanosomiasis, parasitological and immunological diagnostic techniques, review

Immunity, Diagnosis
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cross-reacting antigens among some filariae and other helminths, closed hexagonal immunodiffusion technique, implications for serodiagnosis of filariasis

Immunity, Diagnosis
Oelerich, S.; et al., 1975, Tropenmed. und Parasitol., v. 26 (4), 431-434
diagnosis of human schistosomiasis, serum and blood samples dried on filter paper discs and normal sera collected from infected and control persons, reactions to indirect hemagglutination test higher using cercarial antigens than if using adult Schistosoma mansoni, and serum antibody response in dried blood specimens remained sensitive only if stored at low temperatures

Immunity, Diagnosis
Oelerich, S.; Umaly, R. C.; and Lederer, I., 1974, Tropenmed. u. Parasitol., v. 25 (3), 318-326
Schistosoma mansoni, different developmental stages, S. japonicum, Fasciola hepatica, Ascaris suum, cross reactions in double gel diffusion, Cerkarienhullenreaktion, complement fixation, indirect immunofluorescence, indirect haemagglutination, mice, rabbits

Immunity, Diagnosis
Oudart, J. L.; Diallo, B.; and Rolez, S., 1976, Medecine Afrique Noire, v. 23 (1), 31-37
Trypanosoma brucei gambiense, seroimmunologic diagnosis, immunoglobulins and fluorescent antibodies, standards versus findings in infections

Immunity, Diagnosis
Owen, D.; and Chessum, B. S., 1977, Vet. Rec., v. 101 (20), 402-404
Toxoplasma spp., sheep, goat, Sabin Feldman dye test, no seasonal fluctuations demonstrated in antibody titres

Immunity, Diagnosis
Ozcan, K., 1975, Mikrobiyol. Bul., v. 9 (4), 281-290
Toxoplasma gondii, indirect fluorescent antibody technique and Sabin-Feldman dye test compared for diagnosis in patients with eye diseases: Turkey

Immunity, Diagnosis
Pasmanik, S.; and Atias, A., 1966, Bol. Chileno Parasitol., v. 21 (1), 7-14
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Immunity, Diagnosis
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Leishmania donovani, rats and hamsters (exper.), patients with kala-azar, indirect immunofluorescence and complement fixation tests for detection of antibodies, failure to apply principle of Sabin-Feldman test

Immunity, Diagnosis
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human filariasis, application of cellular immunologic tests (rosette formation, macrophage migration) in diagnosis and comparison with serologic tests (fluorescent antibody, passive hemagglutination, gel diffusion)

Immunity, Diagnosis
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differential response of Brugia pahangi-sensitized splenocytes to antigens from Brugia pahangi, Dirofilaria immitis, and Trichinella spiralis, possible diagnostic use

Immunity, Diagnosis
Rifaat, M. A.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 118-120
Toxoplasma gondii, immunoserological survey for toxoplasmosis conducted by randomly sampling the populations of governorates in Egypt

Immunity, Diagnosis
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intracellular blood protista: intraerythrocytic behavior, transfer, and circulatory clearance; survival and development within macrophages; persistence of organism in immunologically hostile host; immune responses and protection; serodiagnosis; vaccination

Immunity, Diagnosis
Rotmans, J. P., 1977, Trop. and Geogr. Med., v. 29 (2), 206 [Abstract]
Schistosoma mansoni, isolation and characterization of enzymes present in worm gut for possible use in immunodiagnostic tests

Immunity, Diagnosis
Rotmans, J. P.; and Deelder, A. M., 1977, Trop. and Geogr. Med., v. 29 (3), 319 [Abstract]
Schistosoma mansoni, purification of schistosome enzymes, possible use for immunodiagnosis

Immunity, Diagnosis
Ryu, E.; et al., 1975, Taiwan J. Vet. Med. and Animal Husb. (26), 7-15
Toxoplasma gondii, swine, survey, diagnosis by intradermal skin test, hemagglutination test, dye test, isolation: Taiwan

Immunity, Diagnosis
Saathoff, M.; and Dogba, C., 1974, Tropenmed. u. Parasitol., v. 25 (4), 405-412
Schistosoma haematobium, human, prevalence survey, comparison of Cercarien-Hullenreaktion and indirect immunofluorescent antibody test with one another and with parasitologic diagnosis: south Togo

Immunity, Diagnosis
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Toxocara canis, larvae, in vitro maintenance, simple method of production of excretory-secretory antigen for use in serodiagnostic tests for visceral larva migrans

Immunity, Diagnosis
Schenk, M. A. M.; Lima, J. D.; and Viana, F. C., 1976, Arq. Escola Vet. Minas Gerais, v. 28 (3), 261-266
Toxoplasma gondii, frequency in swine, diagnosis, methylene blue dye test (Sabin-Feldman) compared with indirect fluorescent antibody test: Belo Horizonte, Minas Gerais

Immunity, Diagnosis
Schierz, G.; and von Busch, K., 1976, Munchen. Med. Wchnschr., v. 118 (26), 839-842
differentiation between human clinical toxoplasmosis and Toxoplasma gondii infection, comparison of Sabin-Feldman dye test, indirect immunofluorescence to detect IgM and IgG antibodies, and complement fixation test

Immunity, Diagnosis
Schindler, R., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 290 [Abstract]
Trypanosoma spp., cattle, attempted serologic differential diagnosis gave equivocal results

Immunity, Diagnosis
Sibalic, D., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 148-152
humans with high Sabin-Feldman dye test titers thought to have toxoplasmosis found apparently also infected with Sarcocystis spp., specimens of their blood were injected into mice and Citellus citellus and Sarcocystis organisms recovered as cystozoites in peritoneal exudate or cysts in musculature; further verification positive using Sarcocystis fusiformis antigen for indirect immunofluorescence on human blood

Immunity, Diagnosis
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schistosomiasis, comparison of sero-immunologic diagnostic methods in human infection

Immunity, Diagnosis
Stagno, S.; Saavedra, P.; and Thiermann, E., 1970, Bol. Chileno Parasitol., v. 25 (3-4), 102-105
Toxoplasma gondii, human, diagnosis, indirect immunofluorescence found comparable to Sabin-Feldman dye test

Immunity, Diagnosis
Stagno, S.; and Thiermann, E., 1970, Bol. Chileno Parasitol., v. 25 (1-2), 9-15
Toxoplasma gondii, use of indirect immunofluorescence test in place of Sabin-Feldman dye test in diagnosis

Immunity, Diagnosis
Stoll, L.; and Kraft, B., 1976, Deutsche Tierarztl. Wchnschr., v. 83 (4), 137-140
Toxoplasma gondii, swine, diagnosis, indirect fluorescent antibody test for lymph nodes (details of technique described) more sensitive than examination of blood samples by Sabin-Feldman test

Immunity, Diagnosis
Stray-Pedersen, B.; and Lorentzen-Styr, A.M., 1977, Am. J. Obst. and Gynec., v. 128 (7), 716-721
Toxoplasma gondii in pregnant women, possible role of uterine infections in sporadic and habitual abortions, comparative study of controls and women with suspected infections using seroimmunologic methods and endometrial biopsies: Oslo, Norway

Immunity, Diagnosis
Suzuki, M.; Tsunematsu, Y.; and Waki, S., 1973, J. Protozool., v. 20 (4), 528
Toxoplasma, mechanism of Sabin-Feldman dye test, importance of complement

Immunity, Diagnosis
Thiermann, E.; Apt, W.; and Niedmann, G., 1966, Bol. Chileno Parasitol., v. 21 (3), 82-88
Toxoplasma gondii in humans, review and assessment of current diagnostic methods, seroimmunologic and direct microscopic

Immunity, Diagnosis
Todorovic, R., 1976, Vet. Parasitol., v. 2 (1), 97-109
Babesia spp., cattle, review: serodiagnosis, immunization (sterile immunity; premunition), chemoprophylaxis with imidocarb, vectors: Colombia

Immunity, Diagnosis
Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (1), 1977, 1-15
17. Seminar on Trypanosomiasis (biochemistry and relevance to control; relevance of laboratory studies to tsetse control; field diagnosis; problems of land use and tsetse control)

Immunity, Diagnosis
Tympner, K. D., 1971, Monatschr. Kinderh., v. 119 (7), 287-291
infections of newborn children (including toxoplasmosis), importance of quantitative immunoglobulin determinations (IgM, IgA) in diagnosis and therapy

Immunity, Diagnosis
Umaly, R. C.; Oelerich, S.; and Haas, J., 1974, Tropenmed. u. Parasitol., v. 25 (4), 413-421
various schistosome antigens tested against sera from parasitologically proven human cases of Schistosoma mansoni and S. haematobium, Cercarienhullenreaktion, indirect fluorescent antibody test, complement fixation test, indirect haemagglutination test

Immunity, Diagnosis
Umaly, R. C.; Oelerich, S.; and Haas, J., 1974, Tropenmed. u. Parasitol., v. 25 (4), 422-432
Schistosoma haematobium, human, with and without other helminthic infections, serodiagnosis, various schistosome antigens plus Ascaris suum and Fasciola hepatica tested in Cercarienhullenreaktion, indirect immunofluorescence, indirect haemagglutination, complement fixation, and double gel diffusion tests, evaluation of sensitivity and specificity, attempt to correlate results of serologic tests with some clinical symptoms and with influence of chemotherapy

Immunity, Diagnosis
Vernes, A.; and Capron, A., 1973, Medecine et Malad. Infect., v. 3 (8-9), 321-327
evaluation of hypersensitivity in diagnosis of human helminthiasis

Immunity, Diagnosis
Waldeland, H., 1976, Acta Vet. Scand., v. 17 (4), 403-411
Toxoplasma gondii, sheep muscular tissue, incidence correlated with dye test titres and haemoglobin type (higher in type B than A or AB), possible genetic influence on infection, epidemiology, meat inspection: southern Norway

Immunity, Diagnosis
Waldeland, H., 1976, Acta Vet. Scand., v. 17 (4), 426-431
Toxoplasma gondii, sheep, Sabin and Feldman dye test, high correlation between microtiter system and conventional method, advantages of microtiter system

Immunity, Diagnosis
Waller, T., 1977, Lab. Animals, v. 11 (2), 93-97
Encephalitozoon cuniculi, rabbits, rapid diagnosis by india-ink immunoreaction, comparison with indirect fluorescent antibody and skin hypersensitivity tests

Immunity, Diagnosis
Warren, K. S.; et al., 1976, J. Infect. Dis., v. 134 (3), 277-280
Trichinella spiralis, human, murine, eosinophil stimulation promoter test, aid in diagnosis, specificity established by lack of cross-reactions with Schistosoma mansoni

Immunity, Diagnosis
Werner, H., 1968, Bol. Chileno Parasitol., v. 23 (3-4), 95-98
Toxoplasma, strains of varying virulence, mouse mortality after oral vs. intraperitoneal infection, variation in dye-test titers in relation to cyclic development of parasite

Immunity, Diagnosis
Whittle, H. C.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, part 1), 1129-1134
Trypanosoma gambiense, measurement of serum and cerebrospinal fluid IgM and correlation with antibody levels measured by enzyme-linked immunosorbent assay, tests in combination superior to each test done singly, immunoglobulin levels in spinal fluid helpful in diagnosing while antibody levels were of no use for diagnosis or prognosis

Immunity, Diagnosis
Yarzabal, L. A.; et al., 1977, J. Parasitol., v. 63 (3), 495-499
antigen 5 of Echinococcus granulosus found to also be a component of E. multilocularis, radioimmunoelectrophoretic, immunodiffusion, and immunoabsorption studies, implications for immunodiagnosis of hydatid disease

Immunity, Diagnosis
Zardi, O.; et al., 1969, Acta Parasitol. Polon., v. 16 (1-19), 1968-1969, 1-8
Toxoplasma gondii, survey, incidence, chickens, dye test and immunofluorescence, seven strains isolated by inoculation and serial passage in mice: Lazio, vicinity of Rome

Immunity, Diagnosis
Zuckerman, A., 1977, Exper. Parasitol., v. 42 (2), 374-446
Plasmodium, immunology, extensive review: immunodiagnosis and seroepidemiology; immunopathology; antigenic analysis; host responses; immunoglobulins; cell-mediated reactions

Immunity, Electrophoresis. See Immunity, Precipitation.

Immunity, Enzyme labelling
Bartlett, A.; Bidwell, D. E.; and Voller, A., 1975, Tropenmed. u. Parasitol., v. 26 (3), 370-374
Onchocerca volvulus, evaluation of enzyme immunoassay (ELISA) for the diagnosis of human infections, use of O. gutturosa antigens more promising than antigens prepared from various other nematodes

Immunity, Enzyme labelling
Bos, H. J.; van den Eijk, A. A.; and van der Kaay, H. J., 1977, Trop. and Geogr. Med., v. 29 (2), 204 [Abstract]
human amoebiasis, comparative evaluation of usefulness of enzyme-linked immunosorbent assay and counter immunoelectrophoresis in diagnosis

Immunity, Enzyme labelling
Bos, H. J.; van der Kaay, H. J.; and van den Eijk, A. A., 1977, Nederl. Tijdschr. Geneesk., v. 121 (7), 287-290
Entamoeba histolytica, evaluation and comparison of counterimmunoelectrophoresis, enzyme-linked immunosorbent assay and fluorescent antibody techniques for human diagnosis

Immunity, Enzyme labelling
Bout, D.; Santoro, F.; and Capron, A., 1975, Medecine et Malad. Infect., v. 5 (12), special no., 631-636
Schistosoma mansoni, identification of circulating immune complexes in infected human serum, characterization of specific antigen

Immunity, Enzyme labelling
Buys, J.; and Ruitenberg, E. J., 1977, Trop. and Geogr. Med., v. 29 (2), 205 [Abstract]
Trypanosoma brucei, T. rhodesiense, comparative application of enzyme-linked immunosorbent assay (ELISA) and immunofluorescence for serodiagnosis of human trypanosomiasis; ELISA represents good alternate method particularly suited for mass screening purposes; cross-reaction only in one person in whom antibodies to Leishmania were detected

Immunity, Enzyme labelling
Culbertson, C. G.; and Harper, K., 1977, Am. J. Clin. Path., v. 68 (4), 529-530 [Letter]
E[ntamoeba] histolytica, immunoperoxidase staining in formalin-fixed tissue, diagnostic differentiation from Acanthamoeba and other soil amoebas

Immunity, Enzyme labelling
Cypess, R. H.; et al., 1977, J. Infect. Dis., v. 135 (4), 633-640
visceral larva migrans, human, serum precipitating antibodies specific for larval antigens of Toxocara canis as determined by double diffusion in agar, enzyme-linked immunosorbent assay was more sensitive and revealed high titers of antibodies to Toxocara larvae in all patients with VLM

Immunity, Enzyme labelling
Cypess, R. H.; and Glickman, L. T., 1976, Mod. Vet. Pract., v. 57 (6), 462-464
prevalence of antibody to Toxocara canis, human and dogs, enzyme linked immunosorbent assay

Immunity, Enzyme labelling
Deelder, A. M.; et al., 1977, Exper. Parasitol., v. 41 (1), 133-140
Schistosoma mansoni, human, diagnosis, comparison of immunoperoxidase techniques DASS and ELISA, results at least as specific and sensitive as indirect fluorescent antibody technique and with considerable advantages

Immunity, Enzyme labelling
Druilhe, P.; et al., 1977, Nouv. Presse Med., v. 6 (8), 660-661 [Letter]
human Plasmodium falciparum, enzyme-labelled antiglobulins in diagnosis using immunoelectrophoresis test

Immunity, Enzyme labelling
Durosoir, J. L.; et al., 1975, Medecine Trop., v. 35 (6), 457-462
use of peroxidase labelled antiglobulins in serological diagnosis of human amoebiasis, schistosomiasis, toxoplasmosis

Immunity, Enzyme labelling
Durosoir, J. L.; Thabaut, A.; and Laverdant, C., 1974, Medecine et Armees, v. 2 (7), 627-628
human parasitic diseases, diagnosis, use of globulins labelled with peroxidase, comparison with immunofluorescence

Immunity, Enzyme labelling
Durosoir, J. L.; Thabaut, A.; and Laverdant, C., 1974, Nouv. Presse Med., v. 3 (23), 1507 [Letter]
amoebiasis, toxoplasmosis, schistosomiasis in humans, application of enzyme labelling with peroxidase for immunodiagnosis

Immunity, Enzyme labelling
Glickman, L. T.; and Cypess, R. H., 1977, Am. J. Pub. Health, v. 67 (12), 1193-1195
Toxocara canis, epidemiologic survey using the enzyme-linked immunosorbent assay to measure antibodies to Toxocara in employees of an animal hospital; results showed that there was no statistical association with either job exposure to dogs or with dog ownership: New York

Immunity, Enzyme labelling
Grelck, H.; and Hoerchner, F., 1977, Berl. u. Munchen. Tierarztl. Wchnschr., v. 90 (17), 332-335
Fasciola hepatica, cattle, comparative diagnosis using immunofluorescence and immunoperoxidase test

Immunity, Enzyme labelling
Gysin, J.; Le Corroller, Y.; and Pariaud, P., 1975, Medecine et Malad. Infect., v. 5 (12), 560-563
Schistosoma mansoni, comparison of enzyme-labelling and immunofluorescence in seroimmunologic diagnosis of human infections

Immunity, Enzyme labelling
Hommel, M., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 15-16 [Demonstration]
Leishmania donovani, soluble antigen enzyme labelling (ELISA) and enzyme-revealed antibody test (ERAT), use in epidemiologic surveys and field studies

Immunity, Enzyme labelling
Huldt, G.; et al., 1975, Ann. Trop. Med. and Parasitol., v. 69 (4), 483-488
schistosomiasis, enzyme-linked immunosorbent assay for antibody, possible to detect infection even in cases serologically negative by conventional techniques

Immunity, Enzyme labelling
van Knapen, F.; Framstad, K.; and Ruitenberg, E. J., 1976, J. Parasitol., v. 62 (2), 332-333
Trichinella spiralis, reliability of enzyme-linked immunosorbent assay as control method for detection of infections in naturally infected slaughter pigs, compared with direct methods of diagnosis (trichinoscopy; digestion method) and other serological tests (immunofluorescence; counterelectrophoresis; Ouchterlony agar gel diffusion)

Immunity, Enzyme labelling
van Knapen, F.; Framstad, K.; and Ruitenberg, E. J., 1976, Tijdschr. Diergeneesk., v. 101 (17), 952-956
Trichinella spiralis, slaughter pigs, detection by enzyme-linked immunosorbent assay, more sensitive than other diagnostic methods

Immunity, Enzyme labelling
van Knapen, F.; and Panggabean, S. O., 1977, J. Clin. Microbiol., v. 6 (6), 545-547
Toxoplasma gondii, mice, humans, serodiagnosis of active infection, detection of circulating antigen by enzyme-linked immunosorbent assay

Immunity, Enzyme labelling
Lagerqvist, B.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 10 [Demonstration]
Schistosoma mansoni in humans, diagnosis using the enzyme linked immune sorbent assay with crude adult worm antigen and purified egg antigen

Immunity, Enzyme labelling
Luckins, A. G., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 285 [Demonstration]
trypanosomiasis, zebu cattle, serodiagnosis with micro-scale enzyme-linked immunosorbent assay, no cross-reactions with nonpathogenic Trypanosoma theileri or with Theileria spp.

Immunity, Enzyme labelling
Luckins, A. G.; and Rae, P., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 286 [Demonstration]
Trypanosoma evansi, sera from rabbits infected with clone strains of two isolates (one from West Africa and one from South America), serological comparison using micro-enzyme-linked immunsorbent assay

Immunity, Enzyme labelling
Madwar, M. A.; and Voller, A., 1977, Tropenmed. u. Parasitol., v. 28 (1), 57-62
Schistosoma haematobium and S. mansoni in humans, immunoserologic investigations indicate that both antibody and circulating antigen can be detected, relations with immune-complex nephritis and pathology of infections still unclear

Immunity, Enzyme labelling
Pinon, J. M.; and Dropsy, G., 1977, J. Immunol. Methods, v. 16 (1), 15-22
various human parasitic diseases, application of enzyme-linked-immuno-electro-diffusion assay (combination of immunoelectrodiffusion and immunoenzyme method), sensitivity and specificity, enables class of immunoglobulins involved to be determined

Immunity, Enzyme labelling
Pinon, J. M.; and Dropsy, G., 1977, Path. Biol., v. 25 (1), 23-27
human parasitic diseases, use of enzyme-linked-immuno-electro-diffusion-assay (ELIEDA) in diagnosis and immunologic studies

Immunity, Enzyme labelling
Poels, L. G.; et al., 1977, Exper. Parasitol., v. 42 (1), 182-193
Plasmodium berghei, active immunization of chloroquine-protected mice, immunofluorescence and immunoperoxidase studies, transfer of malaria-immunized spleen cells and/or serum, priming with immune spleen cells, evidence for selective release of protective antigens during course of infection

Immunity, Enzyme labelling
Purnell, R. E.; et al., 1976, Vet. Rec., v. 99 (6), 102
Babesia divergens, cattle, diagnosis, microplate enzyme-linked immunosorbent assay

Immunity, Enzyme labelling
Rickard, M. D.; et al., 1977, J. Helminthol., v. 51 (4), 359-364
Echinococcus granulosus (ovine and equine), E. multilocularis, immunohistological localization of antigen 5 and antigen B in cyst wall, brood capsules, and protoscoleces using immunoperoxidase methods

Immunity, Enzyme labelling
Ruitenberg, E. J.; et al., 1976, Tijdschr. Diergeneesk., v. 101 (2), 57-70
Trichinella spiralis, conventionally raised pigs with experimental infections at various doses, enzyme-linked immunosorbent assay more sensitive than immunofluorescence test, further ways to improve reliability

Immunity, Enzyme labelling
Ruitenberg, E. J.; et al., 1977, J. Immunol. Methods, v. 16 (4), 351-359
enzyme-linked immunosorbent assay (ELISA), mechanization for large scale screening of sera, on-line routing system described

Immunity, Enzyme labelling
Ruitenberg, E. J.; and Buys, J., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 31-36
Trypanosoma brucei, enzyme-linked immunosorbent assay (ELISA) for serodiagnosis of human African sleeping sickness, comparison tests with immunofluorescence technique showed good results in rabbits (exper.) and serum from infected humans, cross-reactions only in person with Leishmania antibodies, possible application to epidemiologic surveys

Immunity, Enzyme labelling
Ruitenberg, E. J.; and van Knapen, F., 1977, Vet. Parasitol., v. 3 (4), 317-326
Trichinella spiralis, pigs, enzyme-linked immunosorbent assay as diagnostic method, comparison with conventional digestion method

Immunity, Enzyme labelling
Ruitenberg, E. J.; and van Knapen, F., 1977, J. Infect. Dis., v. 136, suppl., S267-S273
application of the enzyme-linked immunosorbent assay to the detection of human and animal helmintic and protozoal infections, advantages of assay for seroepidemiology, discussion of performance of assay in tubes and microplates

Immunity, Enzyme labelling
Ruitenberg, E. J.; Teppema, J. S.; and Steerenberg, P. A., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 319-326
Trichinella spiralis intestinal phase, no evidence found for immunity-induced changes in enzyme histochemical staining pattern of adult worms, detection of antigen or of antigen-antibody complexes using bridge immuno-peroxidase anti-peroxidase technique, immunoglobulins found around cuticle of adult worms even in ATS-treated animals

Immunity, Enzyme labelling
Saunders, G. C.; et al., 1977, J. Infect. Dis., v. 136, suppl., S258-S266
Trichinella spiralis, application of the indirect enzyme-labeled antibody microtest for the detection of trichinosis in swine, experimental trials testing the feasibility for use in meat packinghouses

Immunity, Enzyme labelling
Saunders, G. C.; and Clinard, E. H., 1976, J. Clin. Microbiol., v. 3 (6), 604-608
Trichinella spiralis, swine, rapid micromethod for mass screening for antibodies using indirect enzyme-labeled antibody test, high number of false positives

Immunity, Enzyme labelling
Schinski, V. D.; Clutter, W. C.; and Murrell, K. D., 1976, Am. J. Trop. Med. and Hyg., v. 25 (6), 824-831
Schistosoma mansoni, S. haematobium, human, immunodiagnosis, enzyme-linked immunosorbent assay and radioimmunoassay compared with indirect hemagglutination and indirect fluorescent antibody techniques

Immunity, Enzyme labelling
Streefkerk, J. G.; et al., 1975, J. Immunol. Methods, v. 8 (3), 251-256
antigen-coupled beads adherent to slides as immunohistochemical means of detecting antibodies in serum by both immunofluorescence (Schistosoma mansoni used as antigen) and immunohistoperoxidase procedures

Immunity, Enzyme labelling
Streefkerk, J. G.; and Deelder, A. M., 1975, J. Immunol. Methods, v. 7 (2-3), 225-235
Schistosoma mansoni, serodiagnostic application of immunohistoperoxidase reactions on antigen-coupled agarose beads

Immunity, Enzyme labelling
Voller, A.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 5 [Demonstration]
human malaria, application of enzyme-linked immune sorbent assay (E.L.I.S.A.) for diagnosis

Immunity, Enzyme labelling
Voller, A.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 431-437
human tropical parasitic diseases, comparison of enzyme-immunoassay and radio-immunoassay in detection of antibodies, both assays sensitive and reproducible and gave comparable results

Immunity, Enzyme labelling
Voller, A.; Bartlett, A.; and Bidwell, D. E., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (2), 98-106
application of enzyme immunoassay to diagnosis of human parasitic diseases, technique for microplate enzyme-linked immunosorbent assay

Immunity, Enzyme labelling
Weiland, G.; and Kaggwa, E., 1976, Ztschr. Parasitenk., v. 50 (2), 177
Besnoitia besnoiti, B. jellisoni, rabbits, indirect immunofluorescence tests, enzyme labelling tests

Immunity, Enzyme labelling
Whittle, H. C.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, part 1), 1129-1134
Trypanosoma gambiense, measurement of serum and cerebrospinal fluid IgM and correlation with antibody levels measured by enzyme-linked immunosorbent assay, tests in combination superior to each test done singly, immunoglobulin levels in spinal fluid helpful in diagnosing while antibody levels were of no use for diagnosis or prognosis

Immunity, Enzyme labelling
Willms, K.; and Arcos, L., 1977, Exper. Parasitol., v. 43 (2), 396-406
Taenia solium, immunoglobulin and other host serum proteins on cysticercus surface identified by ultrastructural immunoenzyme technique

Immunity, Eosinophils and eosinophilia
Ansari, A.; and Williams, J. F., 1976, J. Parasitol., v. 62 (5), 728-736
Taenia taeniaeformis, rats, haematologic parameters, reproducible pattern of eosinophilia in peripheral blood and liver, brisk secondary eosinophilic response following challenge in immune animals

Immunity, Eosinophils and eosinophilia
Ansari, A.; Williams, J. F.; and Musoke, A. J., 1976, J. Parasitol., v. 62 (5), 737-740
Taenia taeniaeformis, rats, stimulation of secondary eosinophilic responses by passive transfer of immune serum or immunoglobulin fractions before oral challenge, probable contribution of antigen-antibody reactions to production of secondary eosinophilic responses

Immunity, Eosinophils and eosinophilia
Archer, G. T., 1969, Pathology, v. 1 (2), 133-140
Amplicaecum robertsi in rats (exper.), antigen-antibody precipitate was chemotactic to eosinophils, phagocytosis of precipitate by eosinophils occurred and was followed by lysis of eosinophil granules and discharge of granular material outside cells, mast cell changes followed eosinophilia and occurred at sites of eosinophil accumulation

Immunity, Eosinophils and eosinophilia
Archer, G. T.; Robson, J. E.; and Thompson, A. R., 1977, Pathology, v. 9 (2), 137-153
Ascaris suum, Echinococcus granulosus, isolation from both parasites of a phospholipid capable of inducing eosinophilia and mast cell hyperplasia when injected into rats (exper.), phagocytosis found to be complement dependent and eosinophilia possibly resulted from stimulation of alternate complement pathway by the phospholipid

Immunity, Eosinophils and eosinophilia
Butterworth, A. E., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 29-38
effector mechanisms against schistosomes in vitro with emphasis on eosinophils as important component in immunity, workshop report

Immunity, Eosinophils and eosinophilia
Butterworth, A. E., 1977, Current Topics Microbiol. and Immunol., v. 77, 127-168
role of eosinophil in immunity to helminth infections, extensive review

Immunity, Eosinophils and eosinophilia
Butterworth, A. E.; et al., 1977, J. Exper. Med., v. 145 (1), 136-150
Schistosoma mansoni, eosinophil as effector cell in antibody-dependent cell-mediated damage to schistosomula: cytotoxic activity of eosinophil-enriched preparations; lack of cytotoxicity by preparations depleted of eosinophils; greater cytotoxicity mediated by cells from normal vs. eosinophilic subjects; damage not enhanced by lymphocytes, neutrophils, or monocytes

Immunity, Eosinophils and eosinophilia
Butterworth, A. E.; et al., 1977, J. Immunol., v. 118 (6), 2230-2236
Schistosoma mansoni, antibody-dependent eosinophil-mediated damage to schistosomula, mediation by IgG and inhibition by antigen-antibody complexes

Immunity, Eosinophils and eosinophilia
Colley, D. G., 1973, J. Immunol., v. 110 (5), 1419-1423
Schistosoma mansoni-infected mice, eosinophil stimulation promoter tentatively classed as lymphokine

Immunity, Eosinophils and eosinophilia
Colley, D. G., 1975, J. Immunol., v. 115 (1), 150-156
Schistosoma mansoni, mice, chronic primary infection, immune responses to soluble egg antigen (lymphocyte blastogenesis, production of lymphokine eosinophil stimulation promoter, haemagglutinating antibody, PGA antibodies, peripheral blood eosinophilia), relationship to anti-egg granulomatous response and pathogenesis of the disease

Immunity, Eosinophils and eosinophilia
Colley, D. G., 1976, Cellular Immunol., v. 24 (2), 328-335
spleen or lymph node cells from Schistosoma mansoni infected mice respond to challenge with soluble egg antigenic preparation by elaboration of eosinophil stimulation promoter, culture conditions, antigen requirements, production kinetics, and immunologic specificity of this lymphokine, ability to stimulate eosinophil migration from eosinophil-rich peritoneal exudates from either S. mansoni- or Trichinella spiralis-infected mice

Immunity, Eosinophils and eosinophilia
David, J. R., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 123-125
Schistosoma mansoni, mechanism of antibody-dependent eosinophil-mediated damage to schistosomula, brief presentation of results of two studies, workshop report

Immunity, Eosinophils and eosinophilia
David, J. R.; et al., 1977, J. Immunol., v. 118 (6), 2221-2229
Schistosoma mansoni, antibody-dependent eosinophil-mediated damage to schistosomula, effect of metabolic inhibitors and other agents which alter cell function

Immunity, Eosinophils and eosinophilia
David, J. R.; and Butterworth, A. E., 1977, Fed. Proc., v. 36 (8), 2176-2180
Schistosoma mansoni, antibody-dependent eosinophil-mediated damage to schistosomula, review of recent work

Immunity, Eosinophils and eosinophilia
Glauert, A. M.; and Butterworth, A. E., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 291-292 [Demonstration]
Schistosoma mansoni, eosinophil-mediated cytotoxicity to schistosomula, morphological elucidation of mechanism

Immunity, Eosinophils and eosinophilia
Glauert, A. M.; and Butterworth, A. E., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 392-395
Schistosoma mansoni, morphologic evidence that eosinophils damage antibody-coated schistosomulas and that interactions between eosinophils and schistosomula occur under conditions which stimulate intimate contact between eosinophils and schistosomular surface

Immunity, Eosinophils and eosinophilia
Gleich, G. J., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 126-133
eosinophils, structure and biochemical composition, workshop report

Immunity, Eosinophils and eosinophilia
Gleich, G. J., 1977, J. Allergy and Clin. Immunol., v. 60 (1), 73-82
eosinophil, new aspects of structure and function, review

Immunity, Eosinophils and eosinophilia
Goetzl, E. J.; and Austen, K. F., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 142-150
eosinophil chemotactic factors of parasites and host lesions, eosinophil chemotactic factors of immediate hypersensitivity reactions, dual role of eosinophils in host defense against parasitic infections, workshop report

Immunity, Eosinophils and eosinophilia
Greenberg, Z.; and Wertheim, G., 1973, Immunology, v. 24 (3), 531-543
Nippostrongylus brasiliensis, rats, cellular responses to intraperitoneal inoculation of larvae, sequence of cell-types adhering to larvae and subsequent formation of granulomas around cell-coated larvae, initial neutrophilia in rats infected with L2 or L3 larvae, pronounced eosinophilia seen only in rats inoculated with L3 larvae

Immunity, Eosinophils and eosinophilia
Greene, B. M.; and Colley, D. G., 1976, J. Immunol., v. 116 (4), 1078-1083
Schistosoma mansoni, mice, production of eosinophil stimulation promoter (a lymphokine) by T lymphocytes

Immunity, Eosinophils and eosinophilia
Grove, D. I.; Mahmoud, A. A. F.; and Warren, K. S., 1977, J. Exper. Med., v. 145 (3), 755-759
Trichinella spiralis-infected mice depleted of eosinophils, no effect on spontaneous expulsion of adult worms from small intestines but numbers of larvae in muscles almost doubled, concluded that eosinophils contribute to resistance to systemic phase of trichinosis

Immunity, Eosinophils and eosinophilia
Hillyer, G. V., 1976, Fed. Proc., v. 35 (14), 2568-2571
Fasciola hepatica antigens used in protecting against Schistosoma mansoni challenge, common and/or cross-reacting antigens between S. mansoni, S. japonicum, and F. hepatica, possible role of eosinophil in acquired resistance

Immunity, Eosinophils and eosinophilia
Hirashima, M.; and Hayashi, H., 1976, Immunology, v. 30 (2), 203-212
two different chemotactic factors for eosinophils, isolation from allergic tissue lesions induced by DNP-Ascaris suum extract in guinea pigs, characterization

Immunity, Eosinophils and eosinophilia
Hsu, C.-K.; et al., 1976, Nature, London (5567), v. 262, 397-399
Schistosoma mansoni, immunopathology in athymic mice vs. normal heterozygous mice, investigations of necessity of T-cell participation in eosinophil response, IgE formation, granuloma formation, and lymphocyte responsiveness

Immunity, Eosinophils and eosinophilia
Hsu, S. Y. L.; et al., 1975, J. Reticuloendothel. Soc., v. 18 (3), 167-185
Schistosoma japonicum, rhesus monkeys, mechanism of immunity studied by histopathologic examinations of skin lesions elicited during immunizations and challenge with cercariae, role of cell-mediated immunity, significance of time of appearance of eosinophils, role of synergistic and cooperative functions of T and B cells

Immunity, Eosinophils and eosinophilia
Hsu, S. Y. L.; et al., 1977, J. Reticuloendothel. Soc., v. 21 (3), 153-162
Schistosoma mansoni, S. japonicum, in vitro schistosomulicidal effect of different kinds of leukocytes, both normal and sensitized eosinophils and neutrophils increased schistosomulicidal effect of either noninactivated or inactivated immune serum while lymphocytes did not, sensitized granulocytes manifested schistosomulicidal effect even in normal serum but there was no effect when medium contained normal cells and normal serum

Immunity, Eosinophils and eosinophilia
James, S. L.; and Colley, D. G., 1975, J. Reticuloendothel. Soc., v. 18 (5), 283-293
intact schistosome egg granulomas isolated from Schistosoma mansoni-infected mice, production of lymphokine eosinophil stimulation promoter in vitro

Immunity, Eosinophils and eosinophilia
James, S. L.; and Colley, D. G., 1976, J. Reticuloendothel. Soc., v. 20 (5), 359-374
Schistosoma mansoni, eosinophil-mediated destruction of eggs, occurred only with antigenically intact eggs and only with eosinophils from Schistosoma mansoni-infected animals (not uninfected or Trichinella spiralis-infected), did not occur with macrophages, neutrophils, or lymphocytes from either normal or infected animals

Immunity, Eosinophils and eosinophilia
Kasuya, S.; Ohtomo, H.; and Ishizaki, T., 1977, Japan. J. Med. Sc. and Biol., v. 30 (6), 297-307
suppressing effects of purified eosinophils derived from Ascaris lumbricoides suum-immunized guinea pigs on lymphocyte blast formation

Immunity, Eosinophils and eosinophilia
Kazura, J. W.; et al., 1975, J. Infect. Dis., v. 132 (6), 702-706
Schistosoma mansoni, in vitro assay for lymphokine eosinophil stimulation promoter, useful in vitro correlate of delayed hypersensitivity, test can be easily performed with human target cells and may be helpful for diagnostic or investigative purposes

Immunity, Eosinophils and eosinophilia
Lewis, F. A.; Carter, C. E.; and Colley, D. G., 1977, Cellular Immunol., v. 32 (1), 86-96
Schistosoma mansoni, mice, demonstration of spleen cell-derived chemotactic activities for eosinophils and mononuclear cells and comparisons with eosinophil stimulation promoter

Immunity, Eosinophils and eosinophilia
von Lichtenberg, F.; et al., 1976, Am. J. Path. (412), v. 84 (3), 479-500
Schistosoma mansoni, eosinophil-enriched inflammatory response to schistosomula in skin of immune mice, immune cellular responses are limited to early time period after penetration and are morphologically suggestive of antibody-mediated response rather than of delayed hypersensitivity

Immunity, Eosinophils and eosinophilia
von Lichtenberg, F.; Sher, A.; and McIntyre, S., 1977, Am. J. Path. (419), v. 87 (1), 105-124
Schistosoma mansoni schistosomula, mice as experimental hosts for analyzing dynamics of cellular and humoral processes in lung, immunologic relationships to host resistance

Immunity, Eosinophils and eosinophilia
Mackenzie, C. D.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 292-293 [Demonstration]
S[chistosoma] mansoni, rat as laboratory model to study adherence of eosinophils to schistosomula and role of these cells in schistosome immunity

Immunity, Eosinophils and eosinophilia
Mackenzie, C. D.; Ramalho-Pinto, F. J.; and McLaren, D. J., 1977, Parasitology, v. 75 (2), xiii [Abstract]
Schistosoma mansoni, in vitro adherence of eosinophils to schistosomula, may alter surface integrity in presence of antibody as part of immune response

Immunity, Eosinophils and eosinophilia
McLaren, D. J.; Mackenzie, C. D.; and Ramalho-Pinto, F. J., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 293 [Demonstration]
Schistosoma mansoni, ultrastructural studies on eosinophil adherence to schistosomula in vitro

Immunity, Eosinophils and eosinophilia
Mahmoud, A. A. F., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 151-158
utilization of antieosinophil serum, workshop report

Immunity, Eosinophils and eosinophilia
Miller, A. M.; Colley, D. G.; and McGarry, M. P., 1976, Nature, London (5569), v. 262, 586-587
Schistosoma mansoni-infected mice, ability of spleen cells to produce diffusible stimulator of eosinophilopoiesis in response to injection of soluble schistosomal egg antigenic preparation

Immunity, Eosinophils and eosinophilia
Ogilvie, B. M.; Mackenzie, C. D.; and Love, R. J., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 61-67
Nippostrongylus brasiliensis, rats, lymphocytes and eosinophils in immune response to initial and subsequent infections, workshop report

Immunity, Eosinophils and eosinophilia
de Oliveira, A. R., 1976, Arq. Inst. Biol., Sao Paulo, v. 43 (1-2), 53-56
Oesophagostomum sp., Cooperia sp., Haemonchus sp., calves (exper.), no correlation between level of infestation and circulating eosinophils, may result from eosinophil migration to affected organs or bone marrow exhaustion

Immunity, Eosinophils and eosinophilia
Ottesen, E. A.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 134-141
eosinophils from normal humans and from patients with schistosomiasis or filariasis, immunoglobulin and complement receptors, role in cellular adherence to Schistosoma mansoni schistosomules, workshop report

Immunity, Eosinophils and eosinophilia
Ottolenghi, A.; et al., 1977, Infect. and Immun., v. 15 (1), 13-18
Angiostrongylus cantonensis, nonsensitized and sensitized rats after challenge, phospholipase B activity in lungs and brains, eosinophilia in bone marrow, results support hypothesis that inflammation, elevated phospholipase B activity, and reduction in worm burden are causally related

Immunity, Eosinophils and eosinophilia
Phillips, S. M.; et al., 1977, J. Immunol., v. 118 (2), 594-599
Schistosoma mansoni in congenitally athymic (nude) mice, thymic dependency of eosinophilia, granuloma formation, and host morbidity

Immunity, Eosinophils and eosinophilia
Ruitenberg, E. J., 1977, Trop. and Geogr. Med., v. 29 (3), 319 [Abstract]
Trichinella spiralis-infected nude mice, failure of infections to induce gut mast cell response; both gut and blood eosinophils increased during infection, the phenomenon being T-cell dependent

Immunity, Eosinophils and eosinophilia
Ruitenberg, E. J.: et al., 1977, Immunology, v. 33 (4), 581-587
Trichinella spiralis, comparison of infection in congenitally athymic (nude) mice and their heterozygous thymus-bearing littermates: expulsion of adult worms; yield of muscle larvae; production of specific antibodies; number of pyroninophilic cells, intra-epithelial lymphocytes, and eosinophils in small intestine; blood eosinophilia; data support thymus dependence of worm expulsion, plasma cell and antibody production, and tissue and blood eosinophilia

Immunity, Eosinophils and eosinophilia
Sanderson, C. J.; Lopez, A. F.; and Moreno, M. M. B., 1977, Nature, London (5618), v. 268, 340-341 [Letter]
Trypanosoma cruzi, isotopic technique for assaying killing of epimastigotes in which criterion of parasite death is release of macromolecular RNA, use of assay to investigate nature of effector cell killing T. cruzi in antibody-dependent complement-independent system, eosinophils show strong activity, whereas lymphoid K cells seem to have insignificant activity

Immunity, Eosinophils and eosinophilia
Sher, A.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 909-916
Schistosoma mansoni, presence of eosinophil-dependent cytotoxic antibodies (EDCA) in human serum, attempted correlation of levels of EDCA activity with intensity and duration of schistosome infections and with lymphocyte blastogenic response to soluble schistosome antigens

Immunity, Eosinophils and eosinophilia
Spry, C. J. F., 1972, Immunology, v. 22 (4), 663-675
Trichinella spiralis, rats, origin, recirculation kinetics, and distribution of large lymphocytes from thoracic duct, no definite conclusions on mechanism by which large lymphocytes in rats with trichinosis stimulate eosinopoiesis

Immunity, Eosinophils and eosinophilia
Sturrock, R. F.; et al., 1977, Parasitology, v. 75 (1), 89-100
Papio anubis, eosinophilia following oral infection with Trichinella spiralis, eosinophilia following intravenous administration of Trichinella spiralis and the effect on subsequent exposure to Schistosoma mansoni, latter appears to be suitable method of experimental induction of non-specific eosinophilia to further investigate possible immune mechanisms to Schistosoma mansoni in the baboon

Immunity, Eosinophils and eosinophilia
Torisu, M.; et al., 1975, Clin. Immunol. and Immunopathol., v. 4 (4), 467-477
Ascaris lumbricoides, patients with worm migration into biliary tree, skin tests, complement fixation, hemagglutination tests, immunoglobulin levels, pre- and post-surgical results, significant preoperative rise in IgE appears to be dependent on Ascaris infection, purified Ascaris antigen has high chemotactic effect on eosinophils

Immunity, Eosinophils and eosinophilia
Walls, R. S.; and Beeson, P. B., 1972, Clin. and Exper. Immunol., v. 12 (1), 111-119
Trichinella spiralis, rats, findings suggest that eosinophilia characteristic of macroparasitic infestations is related to character of local inflammatory reaction excited by parasites in organs which harbor them

Immunity, Eosinophils and eosinophilia
Warren, K. S.; et al., 1976, J. Infect. Dis., v. 134 (3), 277-280
Trichinella spiralis, human, murine, eosinophil stimulation promoter test, aid in diagnosis, specificity established by lack of cross-reactions with Schistosoma mansoni

Immunity, Fluorescent antibody. See Immunofluorescence.

Immunity, Gel diffusion. See Immunity, Precipitation.

Immunity, Hemagglutination. See Immunity, Agglutination.

Immunity, Hypersensitivity, Delayed. See Immunity, Cell-mediated.

Immunity, Hypersensitivity, Immediate. See Immunity, Allergy.

Immunity, Immobilization
Barrowman, P. R., 1976, Onderstepoort J. Vet. Research, v. 43 (2), 55-65
Trypanosoma equiperdum in naturally infected horses, transmission studies, clinical symptoms and lesions, localization of parasite, host immune response, methods for parasite detection, varying results of chemotherapy with MSbE; attempts to infect rats, rabbits, and a dog were unsuccessful: South Africa

Immunity, Immobilization
Hajela, S. K.; Bhatia, B. B.; and Rai, D. N., 1976, Indian J. Animal Sc., v. 46 (3), 157-158
Schistosoma incognitum, pigs, miracidial immobilization test, valuable in detection of sero-antibodies, limited application in early diagnosis

Immunity, Immobilization
Visvesvara, G. S.; and Balamuth, W., 1975, J. Protozool., v. 22 (2), 245-256
Acanthamoeba, Naegleria, Hartmannella, comparative studies on free-living and pathogenic amebae: cyst structure; nutrition; protein composition; immunology; cell free plaques and other cytopathic effects; phospholipase liberation; sensitivity to amphotericin B

Immunity, Immune complexes
Annable, C. R.; and Ward, P. A., 1974, J. Immunol., v. 112 (1), 1-8
Babesia rodhaini, rats, presence of proliferative glomerulitis, this renal complication is associated with glomerular deposits of IgG and third component of complement in pattern diagnostic for soluble immune complex-induced nephritis

Immunity, Immune complexes
Boonpucknavig, S.; et al., 1976, J. Nat. Research Council Thailand, v. 8 (1), 51-66
Plasmodium berghei, mice, immune complex nephritis, clinical, histopathological and immunofluorescent studies

Immunity, Immune complexes
Boonpucknavig, S.; et al., 1976, J. Trop. Med. and Hyg., v. 79 (6), 116-119
serum soluble malaria antigen probably responsible for soluble immune complex causing glomerulonephritis in Plasmodium berghei berghei-infected mice

Immunity, Immune complexes
Boreham, P. F. L.; and Wright, I. G., 1976, Brit. J. Pharmacol., v. 58 (1), 137-139
hypotension in rabbits infected with Trypanosoma brucei probably result of immune complex formation of trypanosomes with antibody

Immunity, Immune complexes
Boreham, P. F. L.; and Wright, I. G., 1976, Parasitology, v. 73 (2), xxxi [Abstract]
Trypanosoma brucei, rabbits, hypotension, possibly caused by trypanosome-antibody complexes and mediated by kallikrein

Immunity, Immune complexes
Bout, D.; et al., 1977, Immunology, v. 33 (1), 17-22
Schistosoma mansoni, humans, mice, circulating immune complexes, comparison of detection by 3 techniques ([^{125}I]C1q binding test, complement fixation test, optical density measurement)

Immunity, Immune complexes
Bout, D.; Santoro, F.; and Capron, A., 1975, Medecine et Malad. Infect., v. 5 (12), special no., 631-636
Schistosoma mansoni, identification of circulating immune complexes in infected human serum, characterization of specific antigen

Immunity, Immune complexes
de Brito, T.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (1), 9-18
light, immunofluorescent and electron microscopic study of pathogenetic mechanism of glomerular lesions found in human leishmaniasis, immune complexes trapped within glomerular capillaries

Immunity, Immune complexes
Brzosko, W. J.; et al., 1976, National Cancer Inst. Monograph (43), 163-169
Pneumocystis carinii, infants, immunofluorescence and immunoelectron microscopic study of tissue, antibodies are essential in elimination of P. carinii through their opsonization of the organisms, disintegration of P. carinii conglomerates subsequent to binding of complement to immune complexes preceded their phagocytosis, replication of P. carinii at rate leading to clinical symptoms is due to impaired and delayed synthesis both of specific antibodies and of complement

Immunity, Immune complexes
Capron, A.; et al., 1977, European J. Immunol., v. 7 (5), 315-322
Schistosoma mansoni, rats, Ig-E immune complex-mediated macrophage cytotoxicity against schistosomula, new mechanism of macrophage activation could play role in immune effector mechanisms against this parasite

Immunity, Immune complexes
Chapman, W. E.; and Ward, P. A., 1976, J. Immunol., v. 116 (5), 1284-1288
Babesia rodhaini-infected rats, metabolism of third component of complement and IgG, development of hypocomplementemia and immune complex nephritis

Immunity, Immune complexes
Cook, R. M., 1976, Parasitology, v. 73 (2), viii [Abstract]
Trypanosoma brucei, effect of specific antigen-antibody complexes on attachment to mouse peritoneal macrophages

Immunity, Immune complexes
Danis, M.; et al., 1977, Brit. Med. J. (6098), v. 2, 1356 [Letter]
multiple hepatic and peritoneal echinococcal cysts in man treated with flubendazole with improvement of general health but no evidence that cysts were in state of regression; discussion of criteria for using IgE antibodies and immune complexes to assess efficacy of treatment

Immunity, Immune complexes
Deelder, A. M., 1977, Trop. and Geogr. Med., v. 29 (2), 206 [Abstract]
Schistosoma mansoni, demonstration of circulating protein and polysaccharide antigens and antigen-antibody complexes in heavily infected hamsters (exper.)

Immunity, Immune complexes
George, C. R. P.; Parbtani, A.; and Cameron, J. S., 1976, J. Path., v. 120 (4), 235-249
Plasmodium berghei yoelii in mouse model, nephropathy and immunologic responses before and after antimalarial, immunosuppressive and anticoagulant therapy

Immunity, Immune complexes
Hendrickse, R. G., 1975, Paediat. Indonesiana, v. 15 (3-4), 83-92
Plasmodium malariae in children as cause of immune complex nephritis probably involving an auto-immune process, treatment efforts still unsatisfactory

Immunity, Immune complexes
Hoshino-Shimizu, S.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 492-496
Schistosoma mansoni, human, demonstration of schistosomal antigens in kidney infections, characterization of specific antigens and antibodies localized in kidney, evidence that renal injury is mediated through immune complex disease

Immunity, Immune complexes
Houba, V., 1976, Pathophysiol Parasit. Infect., 221-232
immunopathological mechanisms in parasitic disease, review (immune complexes; complement; autoimmunity; cell-mediated reactions; immunodepression)

Immunity, Immune complexes
Houba, V.; et al., 1976, J. Immunol., v. 117 (2), 705-707
Schistosoma mansoni, baboons, detection of soluble antigens and antibodies in sera, immunoelectroosmophoresis as a useful technique, possibility that simultaneous detection of both components in serum strongly suggests presence of circulating immune complexes

Immunity, Immune complexes
Jones, C.E., 1977, Exper. Parasitol., v.42 (2), 261-273
Schistosoma japonicum, rabbits, investigation of possible role of immune complexes in renal pathology and hepatic fibrosis: serum cryogelatification and cryoprecipitation phenomena; temporal aspects of anti-DNA response

Immunity, Immune complexes
Jones, C. E.; et al., 1977, Exper. Parasitol., v. 42 (1), 221-234
Schistosoma japonicum, rabbits, circulating immune complexes, serum C1q and C3, semi-quantitative assessment, relationship to renal pathology and hepatic fibrosis

Immunity, Immune complexes
Joseph, M.; Dessaint, J. P.; and Capron, A., 1977, Cellular Immunol., v. 34 (2), 247-258
Schistosoma mansoni, macrophage cytotoxicity induced by IgE immune complexes against schistosomula, possible mechanism of new model of macrophage activation and cytotoxicity

Immunity, Immune complexes
Kobayashi, A.; Tizard, I. R.; and Woo, P. T. K., 1976, Am. J. Trop. Med. and Hyg., v. 25 (3), 401-406
Trypanosoma congolense, calves, anemia proved to be of immunological origin, antigen-antibody-complement complexes deposited on surface of erythrocytes results in their immune elimination and leads to clinical anemia

Immunity, Immune complexes
Krettli, A. U.; Nussenzweig, V.; and Nussenzweig, R. S., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 34-41
Plasmodium berghei, mice, level of immune complex release activity from surface of lymphocytes, alternative complement pathway function, C3 levels in serum

Immunity, Immune complexes
Madwar, M. A.; and Voller, A., 1977, Tropenmed. u. Parasitol., v. 28 (1), 57-62
Schistosoma haematobium and S. mansoni in humans, immunoserologic investigations indicate that both antibody and circulating antigen can be detected, relations with immune-complex nephritis and pathology of infections still unclear

Immunity, Immune complexes
Mahmoud, A. A. F.; and Woodruff, A. W., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 187-188
Schistosoma mansoni in mice (exper.), glomerular nephritis caused by immune complex deposits which contained complement

Immunity, Immune complexes
Miatello, V. R.; Zanetti, N. L.; and Miatello, V. R., hijo, 1974, Medicina, Buenos Aires, v. 34 (5), 532-538
excision of echinococcal pulmonary cyst in young girl resulted in disappearance of concurrent nephrotic syndrome, evidence supports immunological process of immune complexes or auto-antibodies as link between two disease processes

Immunity, Immune complexes
Murray, M.; Lambert, P. H.; and Morrison, W. I., 1975, Medecine et Malad. Infect., v. 5 (12), special no., 638-641
Trypanosoma brucei-infected mice develop proliferative immune complex glomerulonephritis

Immunity, Immune complexes
Musoke, A. J.; Cox, H. W.; and Williams, J. F., 1977, J. Parasitol., v. 63 (6), 1081-1088
Plasmodium chabaudi, rats, antigens and antibodies found associated with anemia, splenomegaly, and glomerulonephritis, suggested that soluble complexes of parasite antigen and antibody may have been causal in this syndrome

Immunity, Immune complexes
Natali, P. G.; and Cioli, D., 1976, European J. Immunol., v. 6 (5), 359-364
Schistosoma mansoni-infected mice, immune complex nephritis, incidence of renal involvement correlated with duration and intensity of infection and appeared to be decreased in unisexual infections

Immunity, Immune complexes
Perie, N. M.; Tinnemans-Anggawidjaja, T.; and Zwart, D., 1975, Tropenmed. und Parasitol., v. 26 (4), 399-404
Trypanosoma spp. in experimentally infected domestic animals, sandwich immunofluorescent complement fixation test compared with indirect fluorescent antibody test for use in detecting binding of complement to antigen-antibody complex

Immunity, Immune complexes
Petit, A.; et al., 1977, Ann. Immunol., v. 128C (4-5), 937 [Abstract]
Nippostrongylus brasiliensis, rats, circulating immune complexes in serum

Immunity, Immune complexes
Poels, L. G.; et al., 1977, Exper. Parasitol., v. 43 (1), 255-267
Plasmodium berghei, formation of immune complexes and their role in nephropathies in infected mice in comparison with chloroquine-cured and hyperimmune mice, comparative study on nude mouse model, immune complexes deposited in renal glomeruli of acutely infected and hyperimmune mice but not in glomeruli of infected nude mice, pathological ultrastructural alterations found in glomeruli of first two groups

Immunity, Immune complexes
Slots, J. M. M.; et al., 1977, Exper. Parasitol., v. 43 (1), 211-219
Trypanosoma brucei, Trypanosoma vivax, antigen-antibody complexes as cause of platelet serotonin release in vitro and in vivo

Immunity, Immune complexes
Smith, M. D.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 343-348
Schistosoma haematobium, S. mansoni, presence of immune complexes (IC) in sera of infected persons, measurement of levels of IC possibly useful in assessing stage of disease and efficacy of treatment

Immunity, Immune complexes
Soni, J. L.; and Cox, H. W., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 423-430
Plasmodium gallinaceum, chickens, soluble complexes of serum antigen and its antibody may be mediator of acute anemia, serologic identity of serum antigen from malarious chickens and from Babesia rodhaini-infected rats and its distinction from parasite antigen suggest that it might be an autoantigenic macroglobulin

Immunity, Immune complexes
Soni, J. L.; and Cox, H. W., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 431-438
Plasmodium gallinaceum, chickens, complexes of serum antigen and its antibody may cause glomerulonephritis associated with acute avian malaria

Immunity, Immune complexes
Soni, J. L.; and Cox, H. W., 1976, Indian J. Med. Research, v. 64 (8), 1177-1184
immune complex associated with malarious nephritis of Plasmodium gallinaceum-infected chicken, isolation and description of antigen component of complex

Immunity, Immune complexes
Soothill, J. F.; Smith, M. D.; and Morgan, A. G., 1975, Symposia Brit. Soc. Parasitol., v. 13, 59-68
association of parasites with nephrotic syndrome, genetically and environmentally determined host variation may be the immunodeficiency underlying proneness to chronic soluble complex disease, extensive review with emphasis on Schistosoma spp., Plasmodium malariae, and some preliminary experiments with Trypanosoma brucei in mice

Immunity, Immune complexes
Verroust, P.; et al., 1975, Medecine et Malad. Infect., v. 5 (12), special no., 625-630
Schistosoma haematobium, S. mansoni, detection of circulating soluble immune complexes in human infections

Immunity, Immune complexes
Weise, R.; et al., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (3), 271-278
Plasmodium berghei yoelii, mice, ultrastructure of kidneys, glomerular changes at different stages of disease, findings add to evidence in favour of transient immune complex glomerulonephritis

Immunity, Innate. See Immunity, Native.

Immunity, Intradermal tests. See Immunity, Skin tests.

Immunity, Lymphocyte transformation
Badawy, Y. H.; and Mahfouz, K. A. H., 1975, Med. J. Cairo Univ., v. 43 (1), 45-49
evaluation of lymphoblastic transformation reaction test in immunoserologic diagnosis of human schistosomiasis

Immunity, Lymphocyte transformation
Bolbol, A. S.; Sewell, M. M. H.; and Urquhart, H. R., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 274 [Demonstration]
Fasciola hepatica, antigen induced in vitro transformation by peripheral lymphocytes of rabbits

Immunity, Lymphocyte transformation
Boron-Kaczmarska, A.; et al., 1977, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 239 (3), 414-418
Taenia saginata, patients before and after Yomesan treatment, serum levels of IgG, IgA, and IgM, blastic lymphocyte transformation following phytohaemagglutinin stimulation

Immunity, Lymphocyte transformation
Carson, C. A.; Sells, D. M.; and Ristic, M., 1977, Am. J. Vet. Research, v. 38 (2), 173-179
Anaplasma marginale, cell-mediated immune response in cattle given virulent, attenuated and inactivated preparations, measured by leukocyte migration-inhibition test and lymphocyte transformation of blood leukocytes

Immunity, Lymphocyte transformation
Chen, P.; and Dean, D. A., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 963-974
Schistosoma mansoni, in vitro blastogenesis and macrophage migration inhibition factor (MIF) production in response to cercarial, adult worm, and egg antigens tested in guinea pigs; early cessation of MIF response to schistosome antigens suggests MIF assay as useful tool for examining immune suppression to schistosomiasis

Immunity, Lymphocyte transformation
Chen, P.; and Soulsby, E. J. L., 1976, Internat. J. Parasitol., v. 6 (2), 135-141
Haemonchus contortus infections in ewes during pregnancy, parturition, and lactation, blastogenic responses of peripheral blood leukocytes to non-specific mitogen, non-helminth antigens, and specific 3rd stage larval antigen, relationship to 'spring-rise' and 'self cure' phenomena, possible hormonal factors

Immunity, Lymphocyte transformation
Colley, D. G.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 917-925
Schistosoma mansoni, human lymphocyte blastogenic responses to schistosome antigen preparations, suppressive effects of patient sera on responses induced by schistosome eggs and adult worms increased in relationship to duration of serum donor's schistosomal infection, indications that patients develop serum components which interfere with responsiveness of lymphocytes to schistosome-derived antigenic preparations

Immunity, Lymphocyte transformation
Colley, D. G.; et al., 1977, Internat. Arch. Allergy and Applied Immunol., v. 53 (5), 420-433
Schistosoma mansoni, human, in vitro lymphocyte blastogenic responses to heterogeneous antigenic preparations from schistosome eggs, worms, and cercariae, analysis with regard to longevity and intensity of infection

Immunity, Lymphocyte transformation
Galimberti, A., 1975, Morgagni, v. 8 (2), 15-21
Toxoplasma gondii, human, diagnosis by lymphocyte transformation test, addition of toxoplasmin to lymphocytes cultured in vitro

Immunity, Lymphocyte transformation
Ghose, A. C.; and Rowe, D. S., 1977, Immunochemistry, v. 14 (6), 459-465
Leishmania enriettii, subcellular fractionation, antigenic activity of fractions determined by micro-complement fixation, indirect radioimmunoassay, skin testing, and in vitro lymphocyte transformation, results indicate antigenic heterogeneity and suggest that major humoral and cell-mediated components of immune response in infected guinea-pigs are directed against different antigenic determinants of the parasite

Immunity, Lymphocyte transformation
Golenser, J.; et al., 1976, Ztschr. Parasitenk., v. 50 (1), 95-98
Plasmodium berghei, spleen cells from previously infected rats and mice, lymphocyte transformation test with plasmodial antigen, higher parasitemia correlated with higher in vitro stimulation of lymphocytes

Immunity, Lymphocyte transformation
Harris, W. G.; and Bray, R. S., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 340-343
Entamoeba histolytica, humans in carrier and disease states, results of lymphocytic transformation in response to specific antigen and to mitogen, specific cellular immunodepression as possible factor in amoebic invasion of bowel mucosa

Immunity, Lymphocyte transformation
Hirsh, D. C.; et al., 1975, Am. J. Vet. Res., v. 36 (11), 1591-1595
Demodex canis, suppression of in vitro reactivity of peripheral lymphocytes to phytohemagglutinin by serum from dogs with generalized demodicosis, possible role of T-lymphocyte dysfunction in pathogenesis

Immunity, Lymphocyte transformation
Kasuya, S.; Ohtomo, H.; and Ishizaki, T., 1977, Japan. J. Med. Sc. and Biol., v. 30 (6), 297-307
suppressing effects of purified eosinophils derived from Ascaris lumbricoides suum-immunized guinea pigs on lymphocyte blast formation

Immunity, Lymphocyte transformation
Mackler, B.; Malley, A.; and Amkraut, A. A., 1971, Internat. Arch. Allergy and Applied Immunol., v. 41 (5), 765-777
in vitro lymphocyte transformation demonstrated using peripheral lymphocytes from rhesus monkeys showing 'pure' atopic hypersensitivity (Ascaris suum-induced)

Immunity, Lymphocyte transformation
Merino, F.; and Brand, A., 1977, Tropenmed. u. Parasitol., v. 28 (2), 229-234
Onchocerca volvulus in humans living in endemic area, determinations of immunological profile in comparison with normal controls showed little alteration in immunoglobulin levels, third component of complement or in response of peripheral blood lymphocytes to mitogens

Immunity, Lymphocyte transformation
Moore, D. L.; Heyworth, B.; and Brown, J., 1974, Clin. and Exper. Immunol., v. 17 (4), 647-656
phytohaemagglutinin-induced lymphocyte transformation in leucocyte cultures from malarious, malnourished, and control Gambian children, some depression of response to low doses of PHA in children with malaria

Immunity, Lymphocyte transformation
Moore, D. L.; Heyworth, B.; and Brown, J., 1977, Immunology, v. 33 (6), 777-785
Gambian children with acute Plasmodium falciparum malaria or with acute protein-energy malnutrition, phytohaemagglutin-induced lymphocyte transformation, depressed responses of purified lymphocytes in autologous plasma paralleled results with whole blood cultures

Immunity, Lymphocyte transformation
Oberlin, U. P.; and Weiss, N., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, part 1), 1178-1182
Schistosoma mansoni, hamsters (exper.), cell-mediated immune response to soluble egg antigens (SEA) determined by measuring size of granuloma formations in vivo and lymphocyte transformation reaction in vitro; humoral immune response estimated by measuring anti-SEA antibody titer in serum

Immunity, Lymphocyte transformation
Sharma, J. K.; Anaraki, F.; and Ala, F., 1977, Scand. J. Immunol., v. 6 (11), 1101-1106
in vitro lymphoblast transformation of unsensitized lymphocytes to Leishmania major antigen in presence of leishmania-specific and -nonspecific transfer factor, results clearly substantiate in vitro specificity of transfer factor

Immunity, Lymphocyte transformation
Sher, A.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 909-916
Schistosoma mansoni, presence of eosinophil-dependent cytotoxic antibodies (EDCA) in human serum, attempted correlation of levels of EDCA activity with intensity and duration of schistosome infections and with lymphocyte blastogenic response to soluble schistosome antigens

Immunity, Lymphocyte transformation
Taylor, M. M.; and Turton, J. A., 1976, Tropenmed. u. Parasitol., v. 27 (1), 89-92
Necator americanus, cell-mediated immunity in man demonstrated by antigen-induced lymphocyte blastogenesis

Immunity, Lymphocyte transformation
Weiss, N.; Oberlin, U. P.; and Degremont, A., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 317-321
Schistosoma haematobium, S. mansoni, stimulation of hamster and human lymphocyte cultures by soluble egg and adult worm antigen preparations

Immunity, Lymphocyte transformation
Weissberger, H.; Spira, D. T.; and Golenser, J., 1977, J. Protozool., v. 24 (4), 68A [Abstract]
Plasmodium berghei, rats convalescent from infection, lymphoblast transformation by viable and nonviable antigens

Immunity, Lysis
Anziano, D. F.; et al., 1972, Infect. and Immun., v. 6 (5), 860-864
Trypanosoma cruzi, role of complement in immune lysis

Immunity, Lysis
Kassis, A. I.; Goh, S. L.; and Tanner, C. E., 1976, Internat. J. Parasitol., v. 6 (3), 199-211
Echinococcus multilocularis, protoscoleces, changes in tegument ultrastructure during complement-mediated lysis in vitro, transmission and scanning electron microscopy

Immunity, Lysis
Kassis, A. I.; and Tanner, C. E., 1976, Internat. J. Parasitol., v. 6 (1), 25-35
Echinococcus granulosus and E. multilocularis protoscoleces, lysis in vitro by fresh serum; role of complement proteins in lysis suggested by inhibition of protoscolecidal activity by heat, EDTA, or cobra venom factor; anticomplementary activity of hydatid fluid (associated with calcareous corpuscles) may protect protoscoleces in vivo; suggestion that use of formalin during surgery to kill parasite should be replaced by use of fresh serum

Immunity, Lysis
Kassis, A. I.; and Tanner, C. E., 1977, Immunology, v. 33 (1), 1-9
Echinococcus multilocularis, demonstration of host serum proteins within cyst membranes and on surface of protoscoleces, concluded that complement-mediated lysis of this metazoan organism proceeds via classical pathway of complement activation

Immunity, Lysis
Kierszenbaum, F., 1976, J. Parasitol., v. 62 (1), 134-135
Trypanosoma cruzi, no difference in susceptibility of Y and Tulahuen strains to immune lysis, exacerbation of infection with both strains by complement depletion, mice

Immunity, Lysis
Kierszenbaum, F.; Ivanyi, J.; and Budzko, D. B., 1976, Immunology, v. 30 (1), 1-6
Trypanosoma cruzi, chickens, natural resistance, capacity of sera to lyse trypomastigotes in vitro, complement-dependent and antibody-independent phenomena

Immunity, Lysis
Kierszenbaum, F.; and Weinman, D., 1977, Immunology, v. 32 (2), 245-249
Trypanosoma cyclops, nonspecific lysis by normal human serum found to be complement-dependent and to follow activation of alternative pathway without apparent requirement for conventional antibodies

Immunity, Lysis
Kobayashi, A.; Soltys, M. A.; and Woo, P. T. K., 1976, Ann. Trop. Med. and Parasitol., v. 70 (1), 53-58
Trypanosoma congolense, sheep, diagnosis, comparison of various parasitological techniques (wet mount preparation; hematocrit centrifuge technique; mouse inoculation test) with various serological techniques (immunolysis test; indirect fluorescent antibody test; complement fixation test; immunoconglutination test), effect of treatment with quinapyramine dimethosulphate on diagnosis

Immunity, Lysis
van Meirvenne, N.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 274-275 [Abstract]
Trypanosom[a] brucei, bloodstream and culture forms, common and variable antigens, immunogenic properties studied by trypanolysis (combined with neutralization and absorption) and immunoelectrophoretic analysis

Immunity, Lysis
Rickard, M. D.; et al., 1977, J. Helminthol., v. 51 (3), 221-228
Echinococcus granulosus, mechanism of lysis of protoscoleces incubated in normal serum, strong evidence for lysis by alternate pathway of complement activation, comparison with Echinococcus multilocularis

Immunity, Lysis
Wellensiek, H. J.; et al., 1976, Ztschr. Immunitaetsforsch., v. 152 (2), 123 [Abstract]
Toxoplasma gondii, Sabin-Feldman dye test, immunocytolysis caused by properdin-dependent alternate pathway activation of human complement

Immunity, Macrophage migration test
Aalund, O.; and Nansen, P., 1972, Acta Vet. Scand., v. 13 (4), 591-593
Fasciola hepatica, rabbits, development of delayed type hypersensitivity observed by migration inhibition studies on peripheral leucocytes

Immunity, Macrophage migration test
Askenase, P. W.; Hayden, B.; and Higashi, G. I., 1976, Clin. and Exper. Immunol., v. 23 (2), 318-327
Schistosoma mansoni, guinea-pigs, cutaneous basophil hypersensitivity (CBH) reactions to schistosome eggs or soluble egg antigens (SEA), contact hypersensitivity-like CBH responses to live cercarial challenge by skin penetration in sensitized animals, SEA-induced macrophage migration inhibition in infected guinea pigs manifesting CBH reactions

Immunity, Macrophage migration test
Banerjee, D. P.; et al., 1977, Trop. Animal Health and Prod., v. 9 (3), 153-158
Babesia equi, donkeys (vaccinated, infected and carrier intact, and splenectomised), intradermal skin test developed to demonstrate hypersensitivity reaction, leucocyte migration inhibition test developed

Immunity, Macrophage migration test
Blewett, T. M.; Kadivar, D. M. H.; and Soulsby, E. J. L., 1971, Am. J. Trop. Med. and Hyg., v. 20 (4), 546-551
cell-mediated immunity in cutaneous leishmaniasis in guinea pig, mitogenic stimulation by antigens on peripheral lymphocytes and inhibition of macrophage migration

Immunity, Macrophage migration test
Buening, G. M., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 71-76
Anaplasma marginale, calves (intact, splenectomized, vaccinated, unvaccinated), comparison of results in leukocyte migration inhibition test, complement fixation test, and intradermic skin tests

Immunity, Macrophage migration test
Buening, G. M., 1976, Am. J. Vet. Research, v. 37 (1), 1215-1218
Anaplasma marginale, cell-mediated immune response in splenectomized and intact calves, micro cell-mediated cytotoxicity assay and leukocyte migration-inhibition test compared, no correlation between in vitro assay systems

Immunity, Macrophage migration test
Camus, D.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 169 [Letter]
Trypanosoma cruzi in humans, application of leucocyte migration inhibition test to study of delayed hypersensitivity to parasitic infection

Immunity, Macrophage migration test
Carson, C. A.; Sells, D. M.; and Ristic, M., 1977, Am. J. Vet. Research, v. 38 (2), 173-179
Anaplasma marginale, cell-mediated immune response in cattle given virulent, attenuated and inactivated preparations, measured by leukocyte migration-inhibition test and lymphocyte transformation of blood leukocytes

Immunity, Macrophage migration test
Carson, C. A.; Sells, D. M.; and Ristic, M., 1977, Am. J. Vet. Research, v. 38 (8), 1167-1172
Anaplasma marginale, cows (exper.), cell-mediated immunity and severity of clinical symptoms in response to challenge infection after inoculation with virulent, live attenuated, or killed A. marginale, effect of chemosterilization on residual immunity

Immunity, Macrophage migration test
Chen, P.; and Dean, D. A., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 963-974
Schistosoma mansoni, in vitro blastogenesis and macrophage migration inhibition factor (MIF) production in response to cercarial, adult worm, and egg antigens tested in guinea pigs; early cessation of MIF response to schistosome antigens suggests MIF assay as useful tool for examining immune suppression to schistosomiasis

Immunity, Macrophage migration test
Coleman, R. M.; Bruce, A.; and Rencricca, N. J., 1976, J. Parasitol., v. 62 (1), 137-138
Plasmodium berghei, inhibition of macrophage migration in vitro may be an analog of macrophage disappearance reaction in vivo, mice

Immunity, Macrophage migration test
Lelchuk, R.; Cardoni, R. L.; and Fuks, A. S., 1977, Clin. and Exper. Immunol., v. 30 (3), 434-438
Trypanosoma cruzi, human, nifurtimox-induced alterations in cell-mediated immunity, detected particularly using peripheral leucocyte migration inhibition

Immunity, Macrophage migration test
Lelchuk, R.; Patrucco, A.; and Manni, J. A., 1974, J. Immunol., v. 112 (4), 1578-1581
Trypanosoma cruzi, cellular immunity in Chagas disease, effect of glutaraldehyde-treated specific antigen on inhibition of leukocyte migration

Immunity, Macrophage migration test
Liston, A. J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 6 [Demonstration]
Trypanosoma cruzi, T. dionisii, T. vespertilionis, cell mediated immune responses in mice, some cross-reactivity of antigens but homologous responses stronger

Immunity, Macrophage migration test
Muhammed, S. I.; Wagner, G. G.; and Lauerman, L. H., jr., 1974, Immunology, v. 27 (6), 1033-1037
Theileria parva, cattle, leucocyte migration inhibition as model for demonstration of sensitized cells in East Coast fever

Immunity, Macrophage migration test
Ortiz-Ortiz, L.; et al., 1975, Clin. Immunol. and Immunopathol., v. 4 (1), 127-134
patients with amebic abscess of liver, diminished cell-mediated immunity to Entamoeba histolytica antigens when tested by skin tests and for migration-inhibition factor production, skin reactions to unrelated antigen were normal, 10 days after hospital discharge cell-mediated immune responses to E. histolytica antigen were normal, antibodies were present in sera at all stages

Immunity, Macrophage migration test
Ourth, D. D.; Lunde, M. N.; and Watson, R. R., 1976, Ztschr. Immunitaetsforsch., v. 151 (3), 254-262
Toxoplasma gondii, guinea pigs, demonstration of delayed hypersensitivity by macrophage migration inhibition, skin-testing, and lymphocyte transformation

Immunity, Macrophage migration test
Perez, M.; Carson, C. A.; and Ristic, M., 1977, Vet. Parasitol., v. 3 (2), 161-167
Babesia microti, hamsters, cell-mediated immune response measured by leukocyte migration inhibition test, comparison with humoral antibody measurements using indirect fluorescent antibody test

Immunity, Macrophage migration test
Pinon, J. M.; and Gentilini, M., 1973, Nouv. Presse Med., v. 2 (19), 1283-1287
human filariasis, application of cellular immunologic tests (rosette formation, macrophage migration) in diagnosis and comparison with serologic tests (fluorescent antibody, passive hemagglutination, gel diffusion)

Immunity, Macrophage migration test
Ristic, M.; and Nyindo, M. B. A., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 66-70
Anaplasma marginale, cows inoculated with attenuated vaccine, humoral (complement fixing and agglutinating antibodies) and cell-mediated (macrophage migration inhibition test) immune responses, results demonstrate correlation between cell-mediated immunity and protection

Immunity, Macrophage migration test
Schmunis, G. A.; et al., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (1), 81-85
Trypanosoma cruzi, mice inoculated with epimastigotes or trypomastigotes, development of cell mediated immunity as shown by inhibition of macrophage migration

Immunity, Macrophage migration test
Semeraro, N., 1977, Progr. Med., Roma, v. 33 (11), 500-503
Echinococcus granulosus, humans, marked inhibition of leukocyte migration in infected individuals when compared with normal controls

Immunity, Macrophage migration test
Singh, D. K.; Jagdish, S.; and Gautam, O. P., 1977, Research Vet. Sc., v. 23 (3), 391-392
Theileria annulata, cattle, cell-mediated immunity demonstrated using leucocyte migration inhibition test and delayed skin hypersensitivity reaction

Immunity, Macrophage migration test
Souza, M. do C.; et al., 1974, J. Protozool., v. 21 (4), 579-584
living culture forms of Leptomonas pessoai cross-protected mice against Trypanosoma cruzi challenge infection, circulating antibodies detected in immunized mice by immunodiffusion, passive haemagglutination, complement fixation, and antibody binding assay which cross-reacted with T. cruzi extracts, cellular immune response indicated by leucocyte migration inhibition

Immunity, Macrophage migration test
de la Vega, M. T.; Damilano, G.; and Diez, C., 1976, J. Parasitol., v. 62 (1), 129-130
chronic Trypanosoma cruzi-infected humans, positive leukocyte migration inhibition test with heart antigens, results suggest cell-mediated immune response against heart tissue could participate in mechanism of myocardial damage in Chagas' disease

Immunity, Macrophage migration test
Vernes, A.; et al., 1972, Path. Biol., v. 20 (1-2), 23-29
fascioliasis, schistosomiasis, determination of delayed hypersensitivity reactions in guinea pigs (exper.) using the macrophage migration inhibition test and intradermal skin tests; preliminary investigations of human schistosomiasis gave similar reactions

Immunity, Macrophage migration test
Vernes, A.; et al., 1973, Path. Biol., v. 21 (10), 1073-1078
Schistosoma mansoni and S. haematobium in humans, correlations between macrophage migration test, intradermal tests and a macrophage spreading inhibition test for determination of cell-mediated immune reactions

Immunity, Macrophage migration test
Wong, H. S. W.; Embil, J. A.; and Ozere, R. L., 1976, Exper. Parasitol., v. 40 (3), 421-426
Ascaris suum, Toxocara canis, guinea pigs sensitized with egg extract antigens, dermal reactivity, macrophage migration inhibition test, and lymphocyte transformation using homologous and heterologous antigens

Immunity, Macrophage migration test
Zeledon, R.; de Ponce, E.; and Ponce, C., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 536-537 [Letter]
comparison of Montenegro skin test for delayed hypersensitivity and macrophage migration inhibition test in 3 persons with cured leishmaniasis and woman with chronic Leishmania braziliensis

Immunity, Migration inhibition test. See Immunity, Macrophage migration test.

Immunity, Native
Bower, S. M.; and Woo, P. T. K., 1977, Exper. Parasitol., v. 43 (1), 63-68
Cryptobia catostomi, use of in vitro plasma incubation test in study of host specificity (plasma of 6 refractive fishes had cryptobiacidal titers) and of host resistance mechanism (suggested that alternate pathway of complement activation is one mechanism of 'natural immunity' by vertebrates that are related to the susceptible host)

Immunity, Native
Hepler, D. I.; and Lueker, D. C., 1976, Experientia, v. 32 (3), 386-387
Nematospiroides dubius, high degree of native resistance of Peromyscus maniculatus to infection, infection only established with use of steroid treatment

Immunity, Native
Kierszenbaum, F.; Ivanyi, J.; and Budzko, D. B., 1976, Immunology, v. 30 (1), 1-6
Trypanosoma cruzi, chickens, natural resistance, capacity of sera to lyse trypomastigotes in vitro, complement-dependent and antibody-independent phenomena

Immunity, Native
Miller, L. H.; and Cartér, R., 1976, Exper. Parasitol., v. 40 (1), 132-146
mechanisms of innate resistance in malaria, extensive review

Immunity, Passive
Adams, D. B.; and Rothwell, T. L. W., 1977, Exper. Parasitol., v. 42 (1), 121-128
Trichostrongylus colubriformis, guinea pigs, passive transfer of immunity using mesenteric lymph node cells, influence of various factors (immunization schedule for cell donors; size of cell dose transferred; size of challenge dose; age of both cell donors and recipients), rate of worm rejection from recipients

Immunity, Passive
Alger, N. E.; and Harant, J., 1976, Exper. Parasitol., v. 40 (2), 261-268
Plasmodium berghei, mice, vaccination, heat-treated sporozoites administered iv; attempted adoptive transfer of immunity; preliminary sporozoite fractionation studies

Immunity, Passive
Ansari, A.; Williams, J. F.; and Musoke, A. J., 1976, J. Parasitol., v. 62 (5), 737-740
Taenia taeniaeformis, rats, stimulation of secondary eosinophilic responses by passive transfer of immune serum or immunoglobulin fractions before oral challenge, probable contribution of antigen-antibody reactions to production of secondary eosinophilic responses

Immunity, Passive
Barr, M. L.; et al., 1977, Cellular Immunol., v. 33 (2), Oct., 447-451
Plasmodium berghei, transfer of immunity to mice by RNA from spleens and lymph nodes of immune rats

Immunity, Passive
Bedrnik, P., 1977, J. Protozool., v. 24 (2), Suppl., 12A-13A [Abstract]
Eimeria tenella, failure to transfer immunity with immune spleen lymphocytes in vitro or in vivo (chicks)

Immunity, Passive
Behnke, J. M., 1977, Parasitology, v. 75 (2), xv [Abstract]
Nematospiroides dubius, inhibition of larval development in immune mice, transfer of immunity by immune serum and syngeneic mesenteric lymph node cells

Immunity, Passive
Bourns, T. K. R.; and Ellis, J. C., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 382-387
Trichobilharzia ocellata in ducklings (exper.), attempted transfer of immunity using lymphoid cells and/or immune serum, results showed some shorter than normal worms or lower numbers of worm eggs passed

Immunity, Passive
Buerger, H. J., 1976, Zentralbl. Vet.-Med., Reihe B, v. 23 (9), 705-732
Trichinella spiralis, rats immunized with sensitized cells from spleen, lymph nodes, or thymus eliminated worm burdens earlier than normal cell controls

Immunity, Passive
Buerger, H. J., 1976, Zentralbl. Vet.-Med., Reihe B, v. 23 (10), 793-800
Trichinella spiralis, rats, passively immunized during plateau phase with isologous or allologous immune globulin from infected rats, worm burdens and body lengths not changed, PCA titers significantly reduced, IHA antibodies elevated

Immunity, Passive
Burridge, M. J.; and Kimber, C. D., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (3), 305-308
Theileria parva, cattle, levels of antibodies in colostrum of dams recovered from exper. East Coast Fever and in the sera of their calves, indirect fluorescent antibody studies

Immunity, Passive
Cabrera, E. J.; Alger, N. E.; and Silverman, P. H., 1973, J. Protozool., v. 20 (3), 449-452
Plasmodium berghei, rats, adoptive immunity transferred by 2 x 10^7 or 2 x 10^8 but not 2 x 10^6 immune spleen cells, spleen cells kept at 47 C for 45 min were no longer able to transfer protection; capacity to transfer adoptive immunity not found in spleen cells from unexposed adult rats capable of age immunity, but found in spleen cells from rats that had suffered very transient parasitemia

Immunity, Passive
Campbell, G. H.; and Phillips, S. M., 1976, Infect. and Immun., v. 14 (5), 1144-1150
Trypanosoma rhodesiense, mice, adoptive transfer of variant-specific resistance with B lymphocytes and serum but not with T lymphocytes, results implicate antibody-mediated mechanism as having major role in resistance

Immunity, Passive
Chaicumpa, V.; Jenkin, C. R.; and Rowley, D., 1976, Austral. J. Exper. Biol. and Med. Sc., v. 54 (3), 245-252
Nematospiroides dubius, no passive tranfer of immunity to normal mice by serum from immune mice, passive transfer of immunity from immunized mice to their offspring, immunity dependent on intake of immunoglobulin via milk for period longer than 24 hours, passive transfer of immunity from immune mothers to neonatal mice does not appear to be dependent on a specific class of immunoglobulins

Immunity, Passive
Church, M. K., 1975, Immunology, v. 29 (3), 527-534
Nippostrongylus brasiliensis-sensitized, resensitized, or passively sensitized rats, interrelationships of anaphylactic bronchoconstriction, active cutaneous anaphylaxis, and circulating reaginic antibody level

Immunity, Passive
Collins, W. E.; Cedillos, R. A.; and Warren, M., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, part 1), 1105-1107
Plasmodium vivax, passage of malaria antibodies from mothers to infants, survey in endemic area using the fluorescent antibody test: El Salvador

Immunity, Passive
Crum, E. D.; Despommier, D. D.; and McGregor, D. D., 1977, Immunology, v. 33 (6), 787-795
Trichinella spiralis, rats, immunization by series of methyridine-terminated oral infections with larvae, thoracic duct lymphocytes from immunized animals can protect normal rats against challenge, protective cells belong to 2 different populations, immune serum and lymph fail to transfer resistance

Immunity, Passive
Dargie, J. D.; et al., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 249-271
Fasciola hepatica, rats, cattle, sheep, active immunization, passive transfer of immunity by cells and serum, pathogenetic mechanisms underlying development of hepatic fibrosis

Immunity, Passive
Desowitz, R. S., 1971, Science (3988), v. 172, 1151-1152
Plasmodium berghei, immunization (with nonliving antigen) of young white rats born of immune mothers, significantly higher level of immunity than unvaccinated littermates or vaccinated rats born of normal nonimmune mothers

Immunity, Passive
Desowitz, R. S., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 238-244
Plasmodium berghei, rats, factors influencing maternally-transmitted protective immunity: effect of duration of maternal infection and of rechallenge; immunogenic activity of non-viable antigen in inducing and maintaining maternally-transmitted immunity

Immunity, Passive
Despommier, D. D.; et al., 1977, Immunology, v. 33 (6), 797-805
Trichinella spiralis, influence of immune lymphocytes on life cycle in normal and in irradiated rats, localization of labelled lymphocytes in tissues, evidence that immunity is directed against enteral stage of parasite and is expressed in rapid expulsion of worms from small intestine, immune T cells probably have 'helper' function in promoting formation of protective B cells

Immunity, Passive
Dutta, S. N.; Diesfeld, H. J.; and Kirsten, C., 1976, Tropenmed. u. Parasitol., v. 27 (4), 479-482
immunofluorescent antibody test using D[ipetalonema] viteae as antigen applied to mothers' blood and to the umbilical cord blood of their newborns, results show that in a Wuchereria bancrofti endemic area maternal antibodies against filariae are passed via placenta to newborn, findings not demonstrable after 6th month of life: India

Immunity, Passive
Eimontas, Z. I.; and Medzevicius, A. K., 1974, Lietuvos TSR Moks. Akad. Darbai, s. C (68) (4), 65-76
Trichocephalus suis, pigs, immunization with gamma globulin from immune and normal pigs, antibody dynamics, investigation by precipitation and agglutination

Immunity, Passive
Emejuaiwe, S. O., 1974, Bull. Epizoot. Dis. Africa, v. 22 (1), 41-50
Trypanosoma gambiense, passive immunization of mice with 19S and 7S immunoglobulin fractions derived from immunized rabbits gave transient protection to mice, however, 7S immunoglobulin fractions of sera from rabbits infected with live trypanosomes gave complete protection to mice

Immunity, Passive
Fox, J. C., 1976, Vet. Parasitol., v. 1 (3), 209-220
Obeliscoides cuniculi, inhibited development in rabbits: effects of active and passive immunization and resumption of larval development (fewer males developed than females), data indicate that host immune responses contribute to inhibition and that worm egg production is also responsive to immunologic control

Immunity, Passive
Gaur, S. N. S.; and Dutt, S. C., 1977, Pantnagar J. Research, v. 2 (2), 190-191
Ascaris suum, guinea pigs, successful immunization by subcutaneous administration of pooled immune sera, challenge by migrating juveniles of A. suum

Immunity, Passive
Gemmell, M. A., 1976, Research Vet. Sc., v. 21 (2), 223-226
Taenia hydatigena, lambs on contaminated pasture, modification of transmission pattern under 5 weeks of age due to change from sucking to grazing behavior and/or immunity passively transferred via colostrum

Immunity, Passive
Gravely, S. M.; and Kreier, J. P., 1976, Infect. and Immun., v. 14 (1), 184-190
Plasmodium berghei, rats, adoptive transfer experiments with T and B lymphocytes alone or in combination, results argue strongly for immunity transferrable by antibody-producing cells and not by T cells acting in classical cell-mediated immune responses

Immunity, Passive
Hamburger, J.; and Kreier, J. P., 1976, Exper. Parasitol., v. 40 (2), 158-169
Plasmodium berghei free parasites (but not parasites in erythroctes) become coated with antibodies after incubation in recovered rat serum (as demonstrated by fluorescent antibody technique), this immune serum did not protect mice against inoculation of free parasites but did protect rats partially or completely, phagocytes ingested parasites more readily in presence of immune vs. normal serum

Immunity, Passive
Howell, M. J.; Sandeman, R. M.; and Rajasekariah, G. R., 1977, Internat. J. Parasitol., v. 7 (5), 367-371
Fasciola hepatica, infection schedules for production of serum in rats which passively protects naive recipients against infection, in vitro effects of this serum on metacercariae

Immunity, Passive
Jacobson, R. L.; Zuckerman, A.; and Greenblatt, C. L., 1977, J. Protozool., v. 24 (4), 67A [Abstract]
Plasmodium berghei, rats, adoptive transfer of immunity in allogeneic neonates with spleen cells from hyperimmunized outbred female rats, effect mitigated when young rats are weaned on immune milk

Immunity, Passive
Ito, A., 1977, Internat. J. Parasitol., v. 7 (1), 67-71
Hymenolepis nana, mice, protective immunity transferred with serum taken from actively immunized mice, major effect of immune serum was damaging hatched oncospheres in both intestinal lumen and villi within 1 day post infection

Immunity, Passive
Jarra, W.; Hills, L. A.; and Brown, K. N., 1976, Parasitology, v. 73 (2), xii [Abstract]
Plasmodium berghei, rats, protection conferred by adoptive transfor of unfractionated spleen cells and T cells alone from donors at various stages of infection, protection conferred by T cells increased with duration of infection in donors, additional presence of B cells in transferred lymphocyte populations enhanced their protective capacity over T cells alone

Immunity, Passive
Jenkins, S. N., 1977, Parasitology, v. 75 (2), xiv [Abstract]
Trichuris muris, mice, cell transfer studies highlight complexity of interaction of humoral and cellular immune response

Immunity, Passive
Jones, V. E.; and Ogilvie, B. M., 1967, Internat. Arch. Allergy and Applied Immunol., v. 31 (5), 490-504
Nippostrongylus brasiliensis, attempts to transfer protective immunity and reagins passively to young rats in 3 different ways: by maternal milk, by feeding antiserum, and by antiserum given parenterally

Immunity, Passive
Kasper, L. H.; and Alger, N. E., 1973, J. Protozool., v. 20 (3), 445-449
Plasmodium berghei, mice, adoptive transfer of immunity, effect of number of cells transferred, source of cells (spleen vs. lymph node), and age of host from which they are derived

Immunity, Passive
Katz, S. P.; and Colley, D. G., 1976, Infect. and Immun., v. 14 (2), 509-521
Schistosoma mansoni, mice, intradermal response against soluble cercarial antigenic preparation was sequentially mediated by early antibody response and late developing cellular response as demonstrated histologically and by passive transfer of serum and lymphoid cells

Immunity, Passive
Kelly, J. D.; and Dineen, J. K., 1972, Immunology, v. 22 (2), 199-210
Nippostrongylus brasiliensis, rats, successful adoptive immunization with mesenteric lymph node cells from immune donors

Immunity, Passive
Khoury, P. B.; Stromberg, B. E.; and Soulsby, E. J. L., 1977, Immunology, v. 32 (4), 405-411
Ascaris suum, guinea pigs, passive transfer of immunity by cells or serum, significant protection with immune IgG2, IgE + IgG1 and whole immune serum or with lymphocytes from hepatic and mediastinal lymph nodes of immune animals, minimal protection with IgM and IgA, spleen lymphocytes enhanced rather than reduced degree of infection

Immunity, Passive
Kierszenbaum, F.; and Howard, J. G., 1976, J. Immunol., v. 116 (5), 1208-1211
differences in susceptibility to and immunization against Trypanosoma cruzi (Y and Tulahuen strains) in Biozzi high vs. low responder mice, correlation between antibody-forming potential and susceptibility, protection of low responders by passive transfer of immune plasma

Immunity, Passive
Kim, C. W.; Fragola, A. C.; and Rega, R. J., 1977, J. Parasitol., v. 63 (6), 1133-1135
Trichinella spiralis, low dose of antigen in combination with Freund's complete adjuvant is effective in inducing and transferring delayed hypersensitivity in the guinea pig as manifested by skin test reactions, typical histopathology and absence of circulating antibody

Immunity, Passive
Klesius, P. H.; and Fudenberg, H. H., 1977, Clin. Immunol. and Immunopathol., v. 8 (2), 238-246
cattle, transfer of cell-mediated immunity to Eimeria bovis antigen with bovine transfer factor (unfractionated or alcohol precipitates)

Immunity, Passive
Klesius, P. H.; Kramer, T. T.; and Frandsen, J. C., 1976, Exper. Parasitol., v. 39 (1), 59-68
Eimeria stiedai, rabbits, detection of delayed hypersensitivity by skin testing with oocyst antigen extract, skin reactivity passively transferred with lymphocyte suspensions and cell-free transfer factor but not with serum from infected skin-reactive animals

Immunity, Passive
Klesius, P. H.; and Kristensen, F., 1977, Clin. Immunol. and Immunopathol., v. 7 (2), 240-252
transfer factor, characterization of biological activity by criteria of passive transfer of delayed hypersensitivity reactivity, lymphocyte stimulation, and protective effects against bovine and rabbit coccidiosis (Eimeria bovis, Eimeria stiedae)

Immunity, Passive
Krettli, A. U.; and Brener, Z., 1976, J. Immunol., v. 116 (3), 755-760
Trypanosoma cruzi, trypomastigotes incubated with immune sera, agglutination and decreased infectivity of Y strain, no apparent effect with CL strain, demonstration of antigenic variation, role of humoral immunity further confirmed by protection conferred by passive transfer of antibodies

Immunity, Passive
Lewis, F. A.; Sher, A.; and Colley, D. G., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 723-726
Schistosoma mansoni, transfer of human plasma obtained from persons with schistosomiasis mansoni to CF1 mice was unsuccessful in protecting mice against subsequent infection, lack of protection occurred even though the plasma contained high levels of anti-schistosomular antibody

Immunity, Passive
Liburd, E. M.; Armstrong, W. D.; and Mahrt, J. L., 1973, Cellular Immunol., v. 7 (3), 444-452
Eimeria nieschulzi in rats, investigation of normal immune response and of adoptive immunity with primed thoracic duct lymphocytes

Immunity, Passive
Lloyd, S.; and Soulsby, E. J. L., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 231-240
Taenia taeniaeformis, mice, maternal transfer of antibody, placental and transmammary transfer of immunity, passive transfer of immunity by serum or intestinal or colostral immunoglobulins, indirect haemagglutination and enhanced haemagglutination, immunoglobulin classes involved, antibody on intestinal wall of neonatal mice revealed by indirect fluorescent antibody technique, possible model system for T. saginata in calves

Immunity, Passive
Lloyd, S.; and Soulsby, E. J. L., 1976, Vet. Parasitol., v. 2 (4), 355-362
Taenia saginata, passive transfer of immunity to neonatal calves with immune serum or colostral immunoglobulins

Immunity, Passive
Locatelli, A.; and Simonic, T., 1974, Folia Vet. Latina, v. 4 (1), 43-70
Fasciola hepatica, short review of physiology, biochemistry, pathogenicity, immunology, and diagnosis (fecal examination, complement fixation, precipitation, haemagglutination, flocculation, and allergy tests, indirect immunofluorescence)

Immunity, Passive
Love, R. J.; Ogilvie, B. M.; and McLaren, D. J., 1976, Immunology, v. 30 (1), 7-15
Trichinella spiralis, duration of infections in rats (young, adult, and lactating), rapidity of expulsion from previously infected rats, transfer of immunity with antiserum and lymph node cells, ultrastructural signs of antibody damage to worms, results suggest that mechanism of immune expulsion requires both antibody and cells, comparison with Nippostrongylus brasiliensis

Immunity, Passive
McDonald, V.; and Phillips, R. S., 1975, J. Protozool., v. 22 (3), 54A [Abstract]
Plasmodium v[inckei] chabaudi, mice, adoptive transfer of whole spleen cell population vs. populations enriched with either T- or B-lymphocytes

Immunity, Passive
McDonald, V.; and Phillips, R. S., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 286 [Demonstration]
Plasmodium chabaudi, mice, adoptive transfer of immunity using B-cell enriched (T-cell depleted) and B-cell depleted (T-cell enriched) spleen cell populations

Immunity, Passive
McDonald, V.; and Phillips, R. S., 1977, J. Protozool., v. 24 (2), Suppl., 4A [Abstract]
Plasmodium chabaudi, mice, transfer of immune spleen cells and immune serum, protective activity was potentiated in irradiated hosts

Immunity, Passive
McGhee, R. B., 1976, Exper. Parasitol., v. 39 (1), 88-94
Plasmodium gallinaceum-infected immunoincompetent chicken embryos, changes in blood picture in response to injection of serum from hyperimmunized chickens, results suggest definite role of immunity in anemia accompanying malaria, failure to clarify question of autoimmunity

Immunity, Passive
McHardy, N., 1977, Tropenmed. u. Parasitol., v. 28 (2), 195-201
Trypanosoma cruzi, strains Y and Tulahuen, passive immunization of mice (exper.) using convalescent mouse anti-T. cruzi serum at various times, a single dose most effective when injected on day after homologous infections, Y strain most effectively treated

Immunity, Passive
Maddison, S. E.; Hicklin, M. D.; and Kagan, I. G., 1976, Exper. Parasitol., v. 39 (1), 29-39
Schistosoma mansoni, Macaca mulatta, delayed hypersensitivity and reduction in clinical manifestations and in worm burdens conferred by serum and transfer factor from immune or normal rhesus monkeys, results suggest intimate interaction between cellular and humoral immune mechanisms in this host-parasite model

Immunity, Passive
Manger, B. R., 1976, Parasitology, v. 73 (2), xiii-xiv [Abstract]
Nematospiroides dubius, mice, anthelmintic-terminated immunizing infections (Cambendazole selected as most active), variation in degree of protection between host strains, timing of termination of immunizing infection indicated exsheathment per se not essential in production of resistance, protection could not be transferred with serum alone

Immunity, Passive
Masihi, K. N.; and Werner, H., 1977, Experientia, v. 33 (12), 1586-1587
anti-Toxoplasma antibodies administered passively to mice may lead to suppression or enhancement of subsequent antibody response when these animals are later infected with Toxoplasma gondii, outcome dependent on infecting strain of Toxoplasma and antigen-antibody ratio, implications for possible influence which passively acquired maternal antibody may exert on foetus

Immunity, Passive
Masihi, K. N.; and Werner, H., 1977, Zentralbl. Bakteriol., 1 Abt., Orig., v. 237 (2-3), 405-410
Toxoplasma gondii, mice, kinetics of antibody-mediated suppression of humoral immune response at a cellular level

Immunity, Passive
Miles, M. A.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 286 [Letter]
Trypanosoma cruzi, evidence of prenatal transfer of antibodies across placental membranes or by breast-feeding but no evidence that infants carrying maternal antibodies have passive immunity against infections

Immunity, Passive
Mitchell, G. F.; Goding, J. W.; and Rickard, M. D., 1977, Austral. J. Exper. Biol. and Med. Sc., v. 55 (2), 165-186
Taenia taeniaeformis (Cysticercus fasciolaris), mice, antibodies and complement as factors influencing susceptibility/resistance; markedly increased susceptibility of certain complement-deficient mouse strains (in particular, males), of hypothymic mice, and of cyclophosphamide-treated mice; impressive protective activity of immune serum

Immunity, Passive
Muhammed, S. I.; Lauerman, L. H., jr; and Johnson, L. W., 1975, Am. J. Vet. Research, v. 36 (4), Part 1, 399-402
Theileria parva, cattle experimentally infected with standardized suspensions of infected Rhipicephalus appendiculatus, treatment with immune serum or concentrated immune globulins, no effect on establishment of infection nor clinical and hematologic changes, immunity seen in cattle recovered from East Coast fever is therefore probably cell-mediated

Immunity, Passive
Musoke, A. J.; et al., 1975, Immunology, v. 29 (5), 845-853
Taenia taeniaeformis, passive transfer of resistance to newborn rats via colostrum and milk (not prenatal transmission of antibodies), role of colostrally derived antibodies of defined immunoglobulin classes (evidence of protective activity of γA, but 7S probably primarily responsible)

Immunity, Passive
Musoke, A. J.; and Williams, J. F., 1975, Immunology, v. 29 (5), 855-866
Taenia taeniaeformis, rats, sequential appearance of protective immunoglobulins studied in passive transfer experiments, mechanism of action of 7Sγ2a antibodies, susceptibility of early postoncospheral stages to antibody-mediated attack was complement dependent

Immunity, Passive
Musoke, A. J.; and Williams, J. F., 1976, Internat. J. Parasitol., v. 6 (3), 265-269
intraperitoneally implanted metacestodes of Taenia taeniaeformis or T. crassiceps (but not Echinococcus granulosus cysts) provoked high resistance to oral challenge with T. taeniaeformis eggs, resistance passively transferred with serum (IgG_1 and IgM most effective), cysticerci implanted into rats with hepatic infections were killed and encapsulated, repeated inoculation of immune serum had no effect on survival of implanted cysticerci

Immunity, Passive
Ngwenya, B. Z., 1976, Cellular Immunol., v. 24 (1), 116-122
Trichinella spiralis, effect of lactation on cell-mediated immunity, cell transfer studies with lactating and non-lactating mice, lactogenic hormones apparently suppressed expression of adoptive immunity

Immunity, Passive
Niederkorn, J. Y., 1977, J. Parasitol., v. 63 (6), 1130-1132
Mesocestoides corti, mice, adoptive transfer of protective immunity against tetrathyridia by spleen cells, indicates possible role of cell-mediated immunity

Immunity, Passive
Norby, S. W.; and Alger, N. E., 1977, Science Biol. J., v. 3 (1), 271-279
Plasmodium berghei, mice, successful transfer of adoptive immunity by intramuscular injection of immune spleen cells

Immunity, Passive
Novak, M., 1977, J. Parasitol., v. 63 (3), 587-588
Mesocestoides corti, mice, transfer of immunity against tetrathyridia by sensitized spleen cells

Immunity, Passive
Parashar, A.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (6), 474-480
Plasmodium berghei, mice, passive transfer experiments confirm that protection against infection involves both humoral and cellular immune reactions and response to 'processed antigen' produced by sensitized cells, possibly macrophages

Immunity, Passive
Patton, S., 1977, Tr. Kentucky Acad. Sc., v. 38 (1-2), 56-61
Hymenolepis nana in Mus musculus (exper.), role of serum in host immunity and duration of passively transferred protection, data suggest an anamnestic response following a second exposure to eggs, and passive resistance probably was antibody mediated

Immunity, Passive
Pellerdy, L.; Schrecke, W.; and Duerr, U., 1971, Parasitol. Hungar., v. 4, 115-120
Eimeria stiedai, resistance of newborn laboratory rodents (exper.) to infection

Immunity, Passive
Perrudet-Badoux, A.; and Binaghi, R. A., 1977, Immunology, v. 33 (6), 881-885
Trichinella spiralis, rats, IgE antibodies not transferred from mother to young during lactation nor during pregnancy although they are sometimes secreted in the milk

Immunity, Passive
Playfair, J. H. L.; de Souza, J. B.; and Cottrell, B. J., 1977, Immunology, v. 33 (4), 507-515
Plasmodium yoelii, P. vinckei, P. berghei, mice, regime of killed homologous vaccine plus Bordetella pertussis adjuvant, differences between species in effectiveness of protection, some cross-protection but largely species-specific, passive transfer of immunity to P. yoelii by serum or spleen cells

Immunity, Passive
Poels, L. G.; et al., 1977, Exper. Parasitol., v. 42 (1), 182-193
Plasmodium berghei, active immunization of chloroquine-protected mice, immunofluorescence and immunoperoxidase studies, transfer of malaria-immunized spleen cells and/or serum, priming with immune spleen cells, evidence for selective release of protective antigens during course of infection

Immunity, Passive
Preston, P. M.; Dumonde, D. C., 1976, Clin. and Exper. Immunol., v. 23 (1), 126-138
Leishmania tropica in CBA mice as experimental model of leishmaniasis in man: relationship of inoculum dose to size and duration of lesions, antibody production, and delayed hypersensitivity responses; infections manifest both during and after healing stages; immunization with sonicated promastigotes; lymphoid cells from immune mice conferred protection upon recipients

Immunity, Passive
Rickard, M. D.; Adolph, A. J.; and Arundel, J. H., 1977, Research Vet. Sc., v. 23 (3), 365-367
Taenia saginata, pregnant cows vaccinated with culture antigens conferred passive immunity on their calves via colostrum, these calves were themselves vaccinated with culture antigen at 8 to 10 weeks of age and showed strong immunity to challenge infection

Immunity, Passive
Rickard, M. D.; and Arundel, J. H., 1974, Austral. Vet. J., v. 50 (1), 22-24
Taenia ovis, lambs, passive protection of at least 9 weeks duration via maternal colostral antibody from ewes which had been vaccinated before lambing or naturally exposed to infection

Immunity, Passive
Rickard, M. D.; Boddington, E. B.; and McQuade, N., 1977, Research Vet. Sc., v. 23 (3), 368-371
Taenia ovis, pregnant ewes vaccinated with culture antigens conferred passive immunity on their lambs via colostrum; single vaccination with culture antigens stimulated high level of immunity which persisted for at least 12 months in lambs

Immunity, Passive
Ringelhann, B.; et al., 1976, Am. J. Hum. Genet., v. 28 (3), 270-279
possible relationships between hemoglobin types and human malarial infection rate, parasite species, parasite density, host age and sex; correlations with transplacental and passive immunity

Immunity, Passive
Roberson, E. L.; and Hanson, W. L., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 338 [Letter]
Trypanosoma cruzi-infected rats (exper.), passive transfer of immunity using spleen cells from sensitized donors evidenced by significantly lower parasitemia and reduced mortalities

Immunity, Passive
Roberts, J. A.; and Kerr, J. D., 1976, J. Parasitol., v. 62 (3), 485-488
plasma from cattle highly resistant to Boophilus microplus conferred some resistance to unexposed calves, plasma from hosts of low resistance had no significant effect

Immunity, Passive
Santoro, F.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, part 1), 1164-1168
Schistosoma mansoni-infected lactating mothers, identification of immunoglobulins, anti-S. mansoni antibodies, complement and schistosome antigens in milk confirms the possibility of transfer of immunologically active substances from mother to child during lactation

Immunity, Passive
Seed, J. R., 1977, Internat. J. Parasitol., v. 7 (1), 55-60
Trypanosoma brucei gambiense, relative efficiency of IgM and IgG-type antibodies in presence and absence of complement compared on weight basis by both agglutination and in vitro protection tests, ability to passively transfer immunity in vivo also compared, hypothesized that IgM is responsible for relapse phenomena observed in blood while IgG is more active in extravascular locations

Immunity, Passive
Seitz, H. M., 1976, Tropenmed. u. Parasitol., v. 27 (2), 197-201
Plasmodium berghei infections in neonatally thymectomized mice showed same infection patterns as normal infected mice; cell transfer experiments were unsuccessful in transferring immunity from immune to non-immune animals by transfer of lymphoid cells but acquired immunity destroyed by irradiation could be restored by injection of immune spleen and lymphnode cells

Immunity, Passive
Sher, A.; et al., 1977, Exper. Parasitol., v. 41 (1), 160-166
Schistosoma mansoni, mice, immunoglobulins involved in passive immunization, different subclasses of IgG responsible for protective immunity vs. delayed migration of schistosomula

Immunity, Passive
Smith, H. V.; and Herbert, I. V., 1976, Immunology, v. 30 (2), 213-219
Hyostrongylus rubidus, passive transfer of humoral immunity from infected sows to their offspring via colostrum, demonstration that agglutinating antibodies mainly of the IgG class were associated with protection

Immunity, Passive
Soltys, M. A., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (3), 309-322
immunization against protozoan diseases of animals, review

Immunity, Passive
Soulsby, E. J. L., 1977, Proc. Helminth. Soc. Washington, v. 44 (1), 28-43
role of host response in parasite control: host-parasite specificity; evasion of host response by parasites; utilization of host response by passive or active immunization, review

Immunity, Passive
Spitalny, G. L.; Rivera-Ortiz, C.-I.; and Nussenzweig, R. S., 1976, Exper. Parasitol., v. 40 (2), 179-188
Plasmodium berghei, mice, effect of splenectomy before and after immunization on development and manifestation of sporozoite-induced immunity, monitoring of protective immunity and production of antisporozoite antibodies (circumsporozoite precipitate and sporozoite neutralization activity), effect of passive transfer of hyperimmune sera

Immunity, Passive
Svoboda, S., 1973, Acta Vet. Brno, v. 42 (1), 53-59
Eimeria tenella, White Leghorn chicks, passive transfer of immunity by leucocytes obtained from immunized donors on 16th day after single application of oocysts, intraperitoneal vs. intravenous administration

Immunity, Passive
Takayanagi, T.; and Nakatake, Y., 1976, Exper. Parasitol., v. 39 (2), 234-243
Trypanosoma gambiense, mice, immunologic responses to infection in thymectomized lethally-irradiated recipients of passively transferred thymic cells sensitized with parasitic antigens in vivo, enhanced agglutinin production and protection and phagocytosis

Immunity, Passive
Taranik, K. T.; and Antonov, V. S., 1975, Veterinariia, Kiev (42), 95-98
Dictyocaulus filaria, calves immunized with nonspecific gammaglobulin, lambs immunized with anti-Dictyocaulus immunoglobulin from cattle, changes in blood proteins after infection

Immunity, Passive
Teixeira, A. R. L.; and Santos-Buch, C. A., 1975, Immunology, v. 28 (3), 401-410
Trypanosoma cruzi, rabbits, strong delayed hypersensitivity skin reactions to 2 subcellular fractions from homogenates of suspensions of trypomastigote and amastigote forms, immediate reactions also seen, cell-mediated immunity assayed by experiments which established passive transfer, inhibition of blood mononuclear cell migration, and blast transformation by sensitized lymphocytes

Immunity, Passive
Tsang, C. L.; and Lee, Y. C., 1975, J. Chinese Soc. Vet. Sc., v. 1 (1), 37-41
Isospora felis, puppies, preventive and therapeutic effects of immune serum from adult dogs

Immunity, Passive
Wakelin, D.; and Lloyd, M., 1976, Parasitology, v. 72 (3), 307-315
Trichinella spiralis, mice given mesenteric lymph node cells or serum or both from infected donors, acceleration of worm expulsion

Immunity, Passive
Wakelin, D.; and Wilson, M. M., 1977, Parasitology, v. 74, (3), 215-224
Trichinella spiralis, mice, transfer of immunity with mesenteric lymph node cells: time of appearance of effective cells in donors; expression of immunity in recipients (worm expulsion and impaired worm reproduction may represent independent aspects of immune response)

Immunity, Passive
Warren, K. S.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (5-6), 488-493
Schistosoma mansoni, human early established infections, attempted transfer of cellular immunity using transfer factor, negative results

Immunity, Passive
Weisman, J.; Goldman, M.; and Pipano, E., 1974, J. Protozool., v. 21 (3), 466 [Abstract]
Babesia bigemina, B. berbera, passive transfer of antibodies from cows to calves via colostrum

Immunity, Passive
Wells, R. A.; and Diggs, C. L., 1976, J. Parasitol., v. 62 (4), 638-639
protective activity of sera from mice immunized with irradiated Plasmodium berghei-infected erythrocytes

Immunity, Passive
Wikel, S. K.; and Allen, J. R., 1976, Immunology, v. 30 (3), 311-316
Dermacentor andersoni, guinea pigs, development of resistance to larvae, resistance passively transferred with viable lymph node cells but not with serum

Immunity, Passive
Wikerhauser, T., 1975, Vaccination of cattle against cysticercosis /C. bovis. Final research report. 33 pp., illus.
Taenia saginata, calves, immunizing trials (homologous and heterologous vaccines, passive immunization with homologous antiserum), highest protection against oral challenge observed in calves receiving intramuscular injection of hatched non-attenuated homologous oncospheres; homologous antiserum proved ineffective; indirect fluorescent antibody test, especially micro-IFAT, useful for herd screening of bovine cysticercosis

Immunity, Passive
Yuan, L.; and Sell, K. W., 1974, Immunochemistry, v. 11 (5), 235-242
Schistosoma mansoni, guinea pigs, development of delayed hypersensitivity in response to antigens extracted from cercariae, successful transfer of cercarial delayed hypersensitivity with lymphoid cells, pronase treatment decreased immunogenicity and antigenicity of cercarial antigens suggesting that protein components play major role

Immunity, Passive
Zuckerman, A., 1977, Exper. Parasitol., v. 42 (2), 374-446
Plasmodium, immunology, extensive review: immunodiagnosis and seroepidemiology; immunopathology; antigenic analysis; host responses; immunoglobulins; cell-mediated reactions

Immunity, Passive
Zuckerman, A.; and Jacobson, R. L., 1975, J. Protozool., v. 22 (3), 73A-74A [Abstract]
Plasmodium berghei, rats, adoptive transfer of protection by spleen cells from recovered rats (untreated and pretreated with cyclophosphamide)

Immunity, Passive
Zuckerman, A.; and Jacobson, R. L., 1976, Internat. J. Parasitol., v. 6 (2), 103-106
Plasmodium berghei, rats, transfer of normal or immune spleen cells induces accelerated fluorescent antibody response, only immune cells induce protection against challenge; pre-treatment of donors with cyclophosphamide depletes spleens but affects neither antibody response nor protection-inducing potential in recipients

Immunity, Phagocytosis
Akiyama, H. J.; and Haight, R. D., 1971, Am. J. Trop. Med. and Hyg., v. 20 (4), 539-545
transformation of promastigote forms of Leishmania donovani during parasite-host macrophage interactions, phase-contrast microscopical study

Immunity, Phagocytosis
Archer, G. T., 1969, Pathology, v. 1 (2), 133-140
Amplicaecum robertsi in rats (exper.), antigen-antibody precipitate was chemotactic to eosinophils, phagocytosis of precipitate by eosinophils occurred and was followed by lysis of eosinophil granules and discharge of granular material outside cells, mast cell changes followed eosinophilia and occurred at sites of eosinophil accumulation

Immunity, Phagocytosis
Archer, G. T.; Robson, J. E.; and Thompson, A. R., 1977, Pathology, v. 9 (2), 137-153
Ascaris suum, Echinococcus granulosus, isolation from both parasites of a phospholipid capable of inducing eosinophilia and mast cell hyperplasia when injected into rats (exper.), phagocytosis found to be complement dependent and eosinophilia possibly resulted from stimulation of alternate complement pathway by the phospholipid

Immunity, Phagocytosis
Areekul, S.; et al., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (4), 474-480
Plasmodium knowlesi in Macaca mulatta, alteration of liver blood flow and phagocytic activity of reticuloendothelial system in infected monkeys with return to normal values after recovery

Immunity, Phagocytosis
Areekul, S.; Chantachum, Y.; and Thaijongrak, K., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (4), 598-600
Plasmodium knowlesi infected Macaca mulatta, measurement of increased erythrophagocytic activity during infection

Immunity, Phagocytosis
Bear, P. D., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 16-18
Anaplasma marginale, biochemical and immunological nature, brief review: nucleic acids; opsonins and autoimmunity

Immunity, Phagocytosis
Brzosko, W. J.; et al., 1976, National Cancer Inst. Monograph (43), 163-169
Pneumocystis carinii, infants, immunofluorescence and immunoelectron microscopic study of tissue, antibodies are essential in elimination of P. carinii through their opsonization of the organisms, disintegration of P. carinii conglomerates subsequent to binding of complement to immune complexes preceded their phagocytosis, replication of P. carinii at rate leading to clinical symptoms is due to impaired and delayed synthesis both of specific antibodies and of complement

Immunity, Phagocytosis
Cantrell, W.; and Elko, E. E., 1976, Exper. Parasitol., v. 40 (2), 281-285
Wistar and Sprague-Dawley strains of rat differ in their ability to maintain phagocytic hyperactivity toward colloidal carbon during Plasmodium berghei infection

Immunity, Phagocytosis
Cheng, T. C.; and Yoshino, T. P., 1976, J. Invert. Path., v. 28 (1), 143-146
lipase activity in hemolymph of Biomphalaria glabrata challenged with bacterial lipids

Immunity, Phagocytosis
Dennis, M. V.; Klesius, P. H.; and Dixon, C. F., 1976, J. Alabama Acad. Sc., v. 47 (3), 116 [Abstract]
Eimeria stiedai sporozoites, rabbit peritoneal macrophages, cell-mediated immune response, phagocytosis in presence or absence of serum, immune rabbit serum has no significant effect on phagocytosis

Immunity, Phagocytosis
Erp, E. E.; and Fahrney, D., 1976, Am. J. Vet. Research, v. 37 (5), 607-609
Anaplasma marginale, splenectomized cattle, increases in serum concentration of phagocytosis-stimulating factor and acceleration of erythrophagocytosis; factor may be new hormone

Immunity, Phagocytosis
van Furth, R.; and Jones, T. C., 1975, Infect. and Immun., v. 12 (4), 888-890
mouse peritoneal macrophages that have ingested killed Toxoplasma, hydrocortisone had no effect on phagosome-lysosome interaction, no change in intracellular microbicidal activity in macrophages treated with glucocorticosteroids

Immunity, Phagocytosis
Gross, W. B., 1976, Poultry Science, v. 55 (4), 1508-1512
Eimeria necatrix, chickens with high levels of plasma corticosterone housed in environment of considerable social interaction had more active phagocytic defense and fewer schizonts than chickens with low levels of plasma corticosterone housed in environment with minimized social interaction

Immunity, Phagocytosis
Hamburger, J.; and Kreier, J. P., 1976, Exper. Parasitol., v. 40 (2), 158-169
Plasmodium berghei free parasites (but not parasites in erythroctes) become coated with antibodies after incubation in recovered rat serum (as demonstrated by fluorescent antibody technique), this immune serum did not protect mice against inoculation of free parasites but did protect rats partially or completely, phagocytes ingested parasites more readily in presence of immune vs. normal serum

Immunity, Phagocytosis
Herman, R., 1977, Exper. Parasitol., v. 42 (1), 211-220
Plasmodium chabaudi, physical interaction in vitro between splenic lymphocytes from immune mice and syngeneic peritoneal macrophages which had phagocytized and processed infected red cells, specific antigen-mediated binding of sensitized lymphocytes to macrophage membranes was demonstrated, interaction possible expression of role for T cells in immunity in rodent malaria

Immunity, Phagocytosis
Jeong, K. H.; and Heyneman, D., 1976, J. Invert. Path., v. 28 (3), 357-362
uninfected Biomphalaria glabrata, morphology and behavior of granulocytic leukocytes in vitro

Immunity, Phagocytosis
Johnson, P. T., 1977, J. Invert. Pathol., v. 29 (3), 308-320
Paramoeba perniciosa in Callinectes sapidus, seasonal and geographic distribution, symptoms and diagnosis, tissue location, morphology, and replication, pathology, host defense reactions, laboratory transmission: Chincoteague Bay, Virginia; Long Island Sound, Connecticut; Sandy Hook Bay, New Jersey

Immunity, Phagocytosis
Kitchen, A. G.; and Di Luzio, N. R., 1971, J. Reticuloendothel. Soc., v. 9 (3), 237-247
Plasmodium berghei, rats, functional state of reticuloendothelial system during course of infection, evaluation in vitro of serum recognition factor activity and hepatic phagocytosis

Immunity, Phagocytosis
Kreier, J. P., 1976, Vet. Parasitol., v. 2 (1), 121-142
Plasmodium berghei, rats, mechanisms for implementation of immune response by humoral antibody and phagocytes, changes in cellular systems upon which development of immune response is dependent, review

Immunity, Phagocytosis
Kress, Y.; et al., 1977, Exper. Parasitol., v. 41 (2), 385-396
Trypanosoma cruzi, fate of phagocytized parasites in normal and BCG-activated mouse peritoneal macrophages previously labeled with thorium dioxide to permit lysosomal visualization, both activated and normal macrophages could control infections but activated cells could control significantly greater infection

Immunity, Phagocytosis
Krishnan, S.; et al., 1976, J. Nutrition, Bethesda, v. 106 (6), 784-791
Plasmodium berghei, vitamin A protein energy, undernourished rats, increased susceptibility to infection, lower host phagocytosis

Immunity, Phagocytosis
Leventhal, R.; and Soulsby, E. J. L., 1976, Internat. J. Parasitol., v. 6 (3), 279-283
Ascaris suum larvae, adhesion and degranulation of polymorphonuclear leukocytes on surface, evaluation of serum components which are responsible for opsonization

Immunity, Phagocytosis
Lewis, D. H.; and Besso, A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 113-114 [Demonstration]
Leishmania m. mexicana, possible inactivation of host cell lysosomal enzyme activity within parasitophorous vacuoles by intracellular Leishmania in order to avoid digestion

Immunity, Phagocytosis
Lewis, D. H.; and Peters, W., 1977, Ann. Trop. Med. and Parasitol., v. 71 (3), 295-312
Leishmania spp., promastigote forms, relationship between parasites and host macrophages and their relevance to intracellular survival of parasites, resistance of intracellular Leishmania to digestion by lysosomal enzymes

Immunity, Phagocytosis
Lindberg, R. E.; and Frenkel, J. K., 1977, Infect. and Immun., v. 15 (3), 855-862
Toxoplasma gondii and Besnoitia jellisoni in vitro in hamster peritoneal exudate cells, antigenic stimulation of peritoneal cells and expression of immunity, inhibition of parasite growth by peritoneal macrophages armed either specifically or nonspecifically, expression of immunity by cells derived from hamsters treated with cortisol, effects of cortisol on (1) immune and non-immune lymphocytes, (2) arming of macrophages by lymphocytes, (3) the ability of peritoneal macrophages to destroy antibody-treated parasites

Immunity, Phagocytosis
Loose, L. D.; and Di Luzio, N. R., 1976, Am. J. Trop. Med. and Hyg., v. 25 (2), 221-228
Plasmodium berghei, mice, temporal relationship between reticuloendothelial system phagocytic alterations and antibody responses, implications for mechanism of malaria-induced immunosuppression

Immunity, Phagocytosis
MacCallum, D. K., 1969, J. Reticuloendothel. Soc., v. 6 (3), 232-252
Plasmodium berghei-infected Mesocricetus auratus, sequential changes demonstrated by hepatic system of macrophages during acute infection and after treatment, evidence indicates that macrophages containing endogenous pigment formed by disease process react in identical fashion to macrophages containing exogenous particulate matter (carbon)

Immunity, Phagocytosis
Michelson, E. H., 1975, Invert. Immun. (Maramorosch and Shope), 181-195
gastropod molluscs, cellular defense mechanisms and histopathologic alterations, review

Immunity, Phagocytosis
Murray, M.; et al., 1974, Research Vet. Sc., v. 16 (1), 77-84
Trypanosoma brucei, 3 aspects of pathology in rats: progressive alteration in immunological apparatus of lymph nodes, spleen, and thymus, increase in activity of mononuclear phagocytic system; haemopoietic system changes, haemolytic anemia; specific organ damage (heart most markedly affected)

Immunity, Phagocytosis
Nogueira, N.; Gordon, S.; and Cohn, Z., 1977, J. Exper. Med., v. 146 (1), 157-171
Trypanosoma cruzi, mice, modification of macrophage function during infection, microbicidal activity against trypomastigotes, other parameters of macrophage activation (secretion of plasminogen activator and phagocytosis mediated by C3 receptor)

Immunity, Phagocytosis
Ortiz-Ortiz, L.; et al., 1976, Internat. Arch. Allergy and Applied Immunol., v. 50 (2), 232-242
Trypanosoma cruzi-infected mice, development of nonspecific resistance to challenge with Listeria monocytogenes, association with increased mononuclear phagocytic activity

Immunity, Phagocytosis
Osaki, H.; et al., 1973, J. Protozool., v. 20 (4), 520
in vitro protective responses of lymphoid cells from Trichomonas foetus-immunized mice

Immunity, Phagocytosis
Purvis, A. C., 1977, Parasitology, v. 75 (2), 197-205
Babesia microti, mice, temporary immunodepression of humoral immune response to sheep red blood cells, cell-mediated responses apparently unaffected, phagocytic activity is increased

Immunity, Phagocytosis
Rabinowitz, H.; and Spira, D. T., 1973, J. Protozool., v. 20 (4), 533
Leishmania tropica-infected macrophages, suppression of phagocytic activity, increased stimulation of lysosomal activity, increased acid phosphatase activity

Immunity, Phagocytosis
Rose, M. E., 1974, Infect. and Immun., v. 10 (4), 862-871
Eimeria tenella, E. maxima, chickens, phagocytosis of sporozoites and sporocysts in vitro by peritoneal exudate cells from immunized animals, role of antibody, species-specificity

Immunity, Phagocytosis
Rose, M. E., 1975, J. Protozool., v. 22 (3), 55A [Abstract]
Eimeria tenella, sporozoites, interactions with phagocytic cells from normal vs. infected chickens

Immunity, Phagocytosis
Sawyer, T. K., 1976, Tr. Am. Micr. Soc., v. 95 (2), 271 [Abstract]
phagocytic nodules in Cancer irroratus and Homarus americanus due to Paramoeba perniciosa: Sandy Hook Bay, New Jersey and/or New York Bight apex

Immunity, Phagocytosis
Scorza, C.; and Scorza, J. V., 1972, J. Reticuloendothel. Soc., v. 11 (6), 604-616
Trypanosoma cruzi, rats, active phagocytosis of parasites by inflammatory macrophages in auricles of heart 11 days after infection, formation of phagosomes and of phagolysosomes and alterations in ingested parasites, role of acid phosphatase in alterations of phagocytized parasites

Immunity, Phagocytosis
Shirahata, T.; Shimizu, K.; and Suzuki, N., 1976, Ztschr. Parasitenk., v. 49 (1), 11-23
Toxoplasma, effects of immune lymphocyte products and serum antibody on parasite multiplication in murine peritoneal macrophages

Immunity, Phagocytosis
Silverstein, S. C., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 161-169
endocytic uptake of particles by mononuclear phagocytes in relation to penetration of obligate intracellular parasites, workshop report

Immunity, Phagocytosis
Sinden, R. E.; and Smalley, M. E., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 344-345
Plasmodium falciparum gametocytes, phagocytosis by leucocytes in vivo (in blood meal within Anopheles gambiae midgut) and in vitro, much higher percentage ingested in vitro

Immunity, Phagocytosis
Sinden, R. E.; and Smalley, M. E., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 381-382 [Demonstration]
Plasmodium falciparum, ingestion of gametocytes of Plasmodium by leucocytes in the bloodmeal of mosquitoes, comparison with incidence of ingestion of activated gametocytes in vitro

Immunity, Phagocytosis
Stadtsbaeder, S.; Nguyen, B. T.; and Calvin-Preval, M. C., 1975, Ann. Immunol., v. 126C (4), 461-474
Toxoplasma gondii, mice, immunization with living parasites concomitant to cotrimoxazol treatment, phagocytosis/penetration and intracellular multiplication of Toxoplasma in normal or immune macrophages in the absence or presence of specific antibodies

Immunity, Phagocytosis
Takayanagi, T.; and Nakatake, Y., 1976, Exper. Parasitol., v. 39 (2), 234-243
Trypanosoma gambiense, mice, immunologic responses to infection in thymectomized lethally-irradiated recipients of passively transferred thymic cells sensitized with parasitic antigens in vivo, enhanced agglutinin production and protection and phagocytosis

Immunity, Phagocytosis
Takayanagi, T.; and Nakatake, Y., 1977, Exper. Parasitol., v. 42 (1), 21-26
Trypanosoma gambiense, loss of binding activity by which rat antibody is bound to macrophages as result of removing Fc portion of IgG by enzymatic digestion, avidity of antibody for heterologous macrophages

Immunity, Phagocytosis
Takayanagi, T.; Nakatake, Y.; and Kato, H., 1977, Exper. Parasitol., v. 43 (1), 196-202
Trypanosoma gambiense, agglutination and binding of trypanomastigotes to macrophages in terms of different antigen-antibody ratios

Immunity, Phagocytosis
Takayanagi, T.; Nakatake, Y.; and Kato, H., 1977, Exper. Parasitol., v. 43 (2), 414-422
Trypanosoma gambiense, antigens involved in immune binding to mammalian host macrophages followed by phagocytosis

Immunity, Phagocytosis
Tanowitz, H.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (1), 25-33
Trypanosoma cruzi, ultrastructural study of entry of epimastigotes and trypomastigotes into L-cells and normal and activated macrophages in vitro

Immunity, Phagocytosis
Von Behren, L. A.; and Pesanti, E. L., 1977, Am. Rev. Resp. Dis., v. 115 (4, pt. 2), 271 [Abstract]
Pneumocystis carinii, inability to replicate within normal macrophages, parasites quickly ingested and rapidly killed by normal macrophages in vitro

Immunity, Phagocytosis
Young, A. S.; Kanhai, G. K.; and Stagg, D. A., 1975, Research Vet. Sc., v. 19 (1), 108-110
Trypanosoma congolense, phagocytosis by circulating macrophages in Syncerus caffer: near Aitong, Mara region, Kenya

Immunity, Phagocystosis
Ziessman, H. A., 1976, J. Nuclear Med., v. 17 (9), 794-796
increased lung uptake of sulfur colloid during liver scan in human and experimental malaria due to enhanced activity of phagocytic cells of the reticuloendothelial system of liver, spleen, and lung

Immunity, Precipitation
Abdalla, R. E., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, part 1), 1135-1138
human Sudan mucosal leishmaniasis, diagnosis comparing use of immunodiffusion, counter-immunoelectrophoresis, and immunofluorescence

Immunity, Precipitation
Abioye, A. A., 1976, J. Trop. Med. and Hyg., v. 79 (11), 252-255
Entamoeba histolytica, drug (emetine, metronidazole) and immuno-diagnostic (fluorescent antibody, gel diffusion and latex agglutination tests) resistant amoebic hepatic abscess in man, case report, blood-abscess cavity barrier postulated as possible mechanism for diagnostic failure: Nigeria

Immunity, Precipitation
Afchain, D.; et al., 1975, Medecine Afrique Noire, v. 22 (5), 351-360
Trypanosoma (Trypanozoon) brucei gambiense, human diagnosis using immunoelectrophoresis, little evidence for autoimmunity in human sleeping sickness

Immunity, Precipitation
Aguilar-Torres, F. G.; Rytel, M. W.; and Kagan, I. G., 1976, Am. J. Trop. Med. and Hyg., v. 25 (5), 667-670
Trypanosoma cruzi, human, comparison of counterimmunoelectrophoresis with latex agglutination and indirect hemagglutination in detection of antibodies, use as epidemiologic tool

Immunity, Precipitation
Ahluwalia, J. S., 1977, Indian J. Animal Sc., v. 45 (12), 1975, 978-980
Cooperia curticei, sheep (exper.), gel-precipitin tests, results indicate that antibodies can be formed locally in alimentary tract, and circulating antibodies of serum detected earlier than mucous samples

Immunity, Precipitation
Ahluwalia, S. S., 1972, Indian J. Animal Sc., v. 42 (11), 955-956
Schistosoma incognitum, pigs (exper.), circum-oval precipitin test

Immunity, Precipitation
Aiyedun, B. A.; and Amodu, A. A., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (1), 67-71
trypanosomiasis, albino rats (exper.), humans, diagnosis, capillary-tube precipitation test (known as capillary-tube agglutination test), rapid and specific technique that could be used in field survey work

Immunity, Precipitation
Ardehali, S.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (6), 481-485
human echinococcosis, evaluation of counter immuno-electrophoresis (CIEP), crossed electro-immunodiffusion, and agar gel diffusion for immunodiagnosis, results suggest that (CIEP) could be useful for both diagnosis and epidemiologic surveys

Immunity, Precipitation
Arnaud, J. P.; and Richard-Lenoble, D., 1976, Medecine Infant., v. 83 (1), 37-46
Leishmania donovani in infants, clinical aspects and differential diagnosis

Immunity, Precipitation
Arnaudov, D.; et al., 1976, Vet. Med., Praha, v. 49, v. 21 (6), 375-384
Toxoplasma gondii, sheep, immunoepizootiological study by hemagglutination, indirect fluorescence, and microprecipitation reaction in agar gel; higher incidence in aborting ewes and in sheep in montane regions: Bulgaria; Czechoslovakia

Immunity, Precipitation
Balbo, T.; et al., 1973, Ann. Fac. Med. Vet. Torino, v. 20, Suppl., 33-71
Fasciola hepatica, cattle (exper.), clinical and diagnostic aspects (coprology; blood picture; serum proteins; immunological determination of albumins and globulins; serum enzymes; bilirubin; BSF; serum minerals; body weight gain)

Immunity, Precipitation
Barrett-Connor, E.; et al., 1976, J. Infect. Dis., v. 133 (4), 473-477
Trichinella spiralis, outbreak in campers after eating roasted wild pig, diagnosis by eosinophilia and sero-immunologic studies; diagnostic test comparisons, skin-test antigen inconclusive: California (infected in Hawaii)

Immunity, Precipitation
Behforouz, N.; Rezai, H. R.; and Gettner, S., 1976, Ann. Trop. Med. and Parasitol., v. 70 (3), 293-301
Leishmania spp., immunofluorescence used to detect antibodies in humans, mice and guinea pigs using heterologous and homologous antigens; immunoelectrophoretic identification of active fraction of guinea pig antibody

Immunity, Precipitation
Bidwell, D.; and Voller, A., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 6 [Demonstration]
Plasmodium spp., counter immunoelectrophoresis studies on development of precipitating antibodies

Immunity, Precipitation
Bos, H. J.; van den Eijk, A. A.; and van der Kaay, H. J., 1977, Trop. and Geogr. Med., v. 29 (2), 204 [Abstract]
human amoebiasis, comparative evaluation of usefulness of enzyme-linked immunosorbent assay and counter immunoelectrophoresis in diagnosis

Immunity, Precipitation
Bos, H. J.; van der Kaay, H. J.; and van den Eijk, A. A., 1977, Nederl. Tijdschr. Geneesk., v. 121 (7), 287-290
Entamoeba histolytica, evaluation and comparison of counterimmunoelectrophoresis, enzyme-linked immunosorbent assay and fluorescent antibody techniques for human diagnosis

Immunity, Precipitation
Boulard, C.; and Petithory, J., 1977, Vet. Parasitol., v. 3 (3), 259-263
human hypodermosis, diagnosis with immunoelectrophoretic test

Immunity, Precipitation
Bout, D.; et al., 1977, Ann. Immunol., v. 128C (3), 687-698
Schistosoma mansoni, Fasciola hepatica, Echinococcus granulosus, characterization of allergens by radioimmunoelectrophoresis

Immunity, Precipitation
Bout, D.; Santoro, F.; and Capron, A., 1975, Medecine et Malad. Infect., v. 5 (12), special no., 631-636
Schistosoma mansoni, identification of circulating immune complexes in infected human serum, characterization of specific antigen

Immunity, Precipitation
Cabrera, B. D., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (4), 495-504
Schistosoma japonicum, evaluation of blood circumoval precipitin test (filter paper) for diagnostic field surveys, comparison with use of stool formalin-ether technique: Leyte, Philippines

Immunity, Precipitation
Chen, D. H.; Nussenzweig, R. S.; and Collins, W. E., 1976, J. Parasitol., v. 62 (4), 636-637
rat antisera against sporozoites of 6 primate Plasmodium spp. reacted in circum-sporozoite precipitation tests only with sporozoites of homologous species, geographically different strains of same species cross-reacted intensely however

Immunity, Precipitation
Chernin, J., 1977, J. Helminth., v. 51 (2), 137-142
Taenia crassiceps, mice, production of precipitating antibodies in relation to duration of infection and volume of metacestodes, pattern of development of antigen-antibody precipitation system

Immunity, Precipitation
Chmielewski, J.; Jaremin, B.; and Zdrojewski, J., 1974, Polskie Arch. Med. Wewn., v. 51 (1), 91-94
human amoebiasis, hepato-pulmonary-pleural form, case report, diagnosis based on gel-precipitation test, combined therapy of metronidazole, dihydroemetine and oxytetracycline successful: Hindu sailor in Poland

Immunity, Precipitation
Chun, M. L.; and Cross, J. H., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (4), 625-630
Entamoeba histolytica, comparison of hemagglutination, counterimmuno-electrophoresis and immunoelectrophoresis test for detecting antigen-antibody reactions in human serum, greatest number of components demonstrated by two-dimensional electrophoresis

Immunity, Precipitation
Cornish, J.; LeFlore, W. B.; and Smith, B. F., 1976, Tr. Am. Micr. Soc., v. 95 (2), 266-267 [Abstract]
Cysticercus fasciolaris, sensitivity of micro-precipitin, agar-gel precipitin, immunoelectrophoresis, and indirect hemagglutination tests; cross-reaction with Taenia crassiceps, no cross-reaction with T. saginata and Echinococcus granulosus

Immunity, Precipitation
Cottrell, B., 1976, Parasitology, v. 73 (2), xxxiv [Abstract]
Cryptocotyle lingua and Rhipidocotyle johnstonei induced temperature-dependent precipitin response in Pleuronectes platessa; Trypanosoma platessae-infected P. platessa had elevated serum beta-globulin levels, pronounced seasonal variation in numbers of infected fish pointed to temperature-controlled immunity

Immunity, Precipitation
Cottrell, B., 1977, Parasitology, v. 74 (1), 93-107
Cryptocotyle lingua, Rhipidocotyle johnstonei, metacercariae-infected Pleuronectes platessa, humoral immune response, precipitating antibodies are macroglobulins resembling IgM of mammals, rate and magnitude of antibody production determined by ambient temperature

Immunity, Precipitation
Crider, C. R.; and Meade, T. G., 1975, Proc. Helminth. Soc. Washington, v. 42 (1), 21-24
Posthodiplostomum minimum, antibody-antigen precipitin tests and immunofluorescence microscopy as useful methods for studies on origin of cyst wall, indicate both fish and parasite origin for total wall

Immunity, Precipitation
Cypess, R. H.; et al., 1977, J. Infect. Dis., v. 135 (4), 633-640
visceral larva migrans, human, serum precipitating antibodies specific for larval antigens of Toxocara canis as determined by double diffusion in agar, enzyme-linked immunosorbent assay was more sensitive and revealed high titers of antibodies to Toxocara larvae in all patients with VLM

Immunity, Precipitation
Dafalla, A. A., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 146-147
Toxocara canis, T. cati in humans, immunodiagnosis using the capillary-tube precipitin test, cross reaction with Ascaris could be eliminated by absorption with Ascaris antigen

Immunity, Precipitation
De Carli, G. A.; and Guerrero, J., 1976, Rev. Latinoam. Microbiol., v. 18 (3), 167-171
Tritrichomonas suis and T. foetus, antigenic comparison by gel immunodiffusion; closely related antigenic structure found

Immunity, Precipitation
Deelder, A. M.; et al., 1975, Ztschr. Parasitenk., v. 47 (2), 111-118
Schistosoma mansoni, S. haematobium, human sera, various immunoprecipitation techniques compared (immunoelectrophoresis, immunodiffusion, immunoelectroosmophoresis, electroimmunodiffusion); precipitins against Biomphalaria glabrata antigen

Immunity, Precipitation
Deelder, A. M.; et al., 1976, Exper. Parasitol., v. 40 (2), 189-197
Schistosoma mansoni, demonstration of two circulating antigens (probably both polysaccharides) in infected hamsters, both demonstrated in serum, adult worm extracts, and excretory-secretory products of adult worms, one also demonstrated in urine, 2 additional schistosome-derived antigens found in urine

Immunity, Precipitation
Desowitz, R. S.; Draper, C. C.; and Phillips, T. M., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 430 [Demonstration]
Trypanosoma cruzi, Leishmania donovani, possible use of countercurrent immunoelectrophoresis in diagnosis of human infections

Immunity, Precipitation
Desowitz, R. S.; and Una, S. R., 1976, J. Helminth., v. 50 (1), 53-57
Dirofilaria immitis-infected cats and dogs, Wuchereria bancrofti-infected humans, diagnosis, counterimmunoelectrophoresis using D. immitis adult and microfilarial antigens

Immunity, Precipitation
Dhar, S.; and Gautam, O. P., 1977, Indian J. Animal Sc., v. 47 (9), 566-570
Theileria annulata, cattle (nat. and exper.), haemagglutination-inhibition, indirect haemagglutination, and agar-gel-precipitation tests evaluated, haemagglutination-inhibition test most sensitive and more reliable than blood smear examination in predicting latent Theileria infection

Immunity, Precipitation
Draper, C. C., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (2), 93-97
human parasitic diseases, possible use of counterimmunoelectrophoresis for immunodiagnosis

Immunity, Precipitation
Druilhe, P.; et al., 1977, Nouv. Presse Med., v. 6 (8), 660-661 [Letter]
human Plasmodium falciparum, enzyme-labelled antiglobulins in diagnosis using immunoelectrophoresis test

Immunity, Precipitation
Druilhe, P.; and Monjour, L., 1975, Compt. Rend. Soc. Biol., Paris, v. 169 (4), 1089-1095
human malaria, serodiagnosis, gel diffusion test using Plasmodium falciparum and P. berghei antigens prepared by different methods, compared with indirect immunofluoresence

Immunity, Precipitation
Duffus, W.P.H.; Preston, J. M.; and Staak, C. H., 1975, J. Helminth., v. 49 (1), 1-7
Schistosoma bovis, fractionation of adult worm antigen, use in complement fixation, immuno-diffusion, indirect haemagglutination and indirect haemagglutination inhibition tests, cross-reactions using sera from Fasciola gigantica-infected cattle

Immunity, Precipitation
Dwyer, D. M., 1974, J. Protozool., v. 21 (1), 139-145
Trichomonas gallinae, Histomonas meleagridis, Dientamoeba fragilis, Entamoeba invadens, E. histolytica, antigenic relationships analyzed by immunoelectrophoretic techniques

Immunity, Precipitation
Dwyer, D. M., 1976, Proc. Nat. Acad. Sc., v. 73 (4), 1222-1226
Trypanosoma lewisi, bloodstream forms isolated from rats, ultrastructural and immunologic evidence of avidly bound host serum proteins in surface coat, not present in intact culture or trypsinized bloodstream forms but reacquired after incubation in heterologous host serum proteins

Immunity, Precipitation
Eimontas, Z. I.; and Medzevicius, A. K., 1974, Lietuvos TSR Moks. Akad. Darbai, s. C (68) (4), 65-76
Trichocephalus suis, pigs, immunization with gamma globulin from immune and normal pigs, antibody dynamics, investigation by precipitation and agglutination

Immunity, Precipitation
Enayat, M. S., 1976, Pahlavi Med. J., v. 7 (3), 352-364
Litomosoides carinii, 2 specific antigenic components differentiated using gel diffusion and immunoelectrophoresis

Immunity, Precipitation
Enayat, M. S.; and Pezeshki, M., 1977, J. Helminth., v. 51 (2), 143-148
Toxocara canis, guinea pigs (exper.), comparison of counterimmunoelectrophoresis with indirect haemagglutination test for detection of antibodies, possible use of these techniques for immunodiagnosis of human visceral larva migrans

Immunity, Precipitation
Gam, A. A.; and Neva, F. A., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 47-57
Trypanosoma cruzi, serodiagnosis using various epimastigote antigens and comparison with results obtained with trypomastigote-amastigote antigen prepared from cell cultures, differences between antigens demonstrated by immunoprecipitation

Immunity, Precipitation
Garcia, E. G., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (3), 425-429
Schistosoma japonicum, rabbits (exper.) infected with light, moderate and heavy doses of cercariae, relationship of appearance of circumoval precipitins in blood to course of infection

Immunity, Precipitation
Gentilini, M.; et al., 1973, Medecine et Malad. Infect., v. 3 (1), 21-23
detection and seroepidemiologic studies of human schistosomiasis using counter-immunoelectrophoresis, comparison with immunofluorescence and double diffusion in agar

Immunity, Precipitation
Ghanem, M. H.; et al., 1975, Egypt. J. Bilharz., v. 2 (2), 265-270
Schistosoma mansoni, measurement of immunoprecipitins to cercarial, egg, and adult worm antigens in infected persons with various clinical stages of disease

Immunity, Precipitation
Ghanem, M. H.; et al., 1975, Egypt. J. Bilharz., v. 2 (2), 271-276
Schistosoma mansoni, measurement of immunoprecipitins to somatic antigens in patients with liver and spleen involvement; possible roles of cercariae, adult worms, and eggs in producing pathology with schistosome ova probably initiating autoimmune reactions

Immunity, Precipitation
Goldman, M.; and Bukovsky, E., 1973, J. Protozool., v. 20 (4), 531
Babesia bigemina, soluble antigen capable of reacting with antiserum in gel diffusion plates has been extracted from infected plasma, hemolysates of infected red blood cells, and from sonicated parasites

Immunity, Precipitation
Goldman, M.; and Bukovsky, E., 1975, J. Protozool., v. 22 (2), 262-264
Babesia bigemina-infected bovine blood, extraction of soluble precipitating antigen, preliminary use in gel diffusion test with laboratory and field cattle

Immunity, Precipitation
Guha, S.; and Sornmani, S., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 564 [Demonstration]
Schistosoma mansoni-infected Australorbis glabratus (exper.), precipitating patterns of component antigens from hemolymph

Immunity, Precipitation
Guisantes, J. A.; and Torres, J. M., 1975, Bol. Centro Panam. Zoonosis, v. 17 (1-2), 9-26
human Echinococcus granulosus, diagnosis, gel double diffusion test, review

Immunity, Precipitation
Guisantes, J. A.; and Varela-Diaz, V. M., 1975, Bol. Chileno Parasitol., v. 30 (3-4), 54-57
human echinococcosis, comparative trials using latex agglutination, double diffusion and immunoelectrophoresis for diagnosis

Immunity, Precipitation
Guisantes, J. A.; and Yarzabal, L. A., 1976, Med. y Cirug., Bogota, v. 40 (1), 22-28
diagnosis of human Echinococcus granulosus using the double diffusion gel technique, comparison with results using immunoelectrophoresis

Immunity, Precipitation
Hamburger, J.; and Zuckerman, A., 1976, Exper. Parasitol., v. 39 (3), 460-478
Plasmodium berghei, soluble extract, fractionation by preparative disc electrophoresis, subsequent analytical disc electrophoresis, detection of precipitinogens by immunoelectrophoresis or by double immunodiffusion in agar gel, induction of precipitins in rabbits, physicochemical properties of soluble components, antigenic contaminants of host blood origin

Immunity, Precipitation
Hamburger, J.; and Zuckerman, A., 1976, Exper. Parasitol., v. 39 (3), 479-495
Plasmodium berghei, soluble extract, separation into 12 fractions by preparative disc electrophoresis, employment of fractions to seek precipitins in hyperimmune rat serum and in the vaccination of rats

Immunity, Precipitation
Hansen, I. M., 1976, Am. J. Trop. Med. and Hyg., v. 25 (3), 422-426
Schistosoma mansoni, diagnosis, re-evaluation of slide flocculation test, high sensitivity and specificity when "stunted schistosomes" from rabbits were used as antigen, cercarial antigen showed extensive cross reactions, antigen from mature adult worms could not be coated with cholesterol-lecithin crystals as required

Immunity, Precipitation
Hayden, D. W.; and Van Kruiningen, H. J., 1975, Am. J. Vet. Res., v. 36 (11), 1605-1614
Toxocara canis, dogs (exper.), eosinophilic gastroenteritis, hematologic findings, serum proteins (β-globulin content as potential diagnostic tool), precipitating humoral antibodies, intradermal test, histopathology, comparison with naturally occurring disease

Immunity, Precipitation
Herd, R. P., 1976, Parasitology, v. 72 (3), 325-334
Echinococcus granulosus protoscoleces and adults, effects of complement and/or specific antibodies in vitro

Immunity, Precipitation
Hillyer, G. V., 1975, J. Parasitol., v. 61 (3), 557-559
Fasciola hepatica, laboratory animals, humans, detection of precipitins by counterelectrophoresis, suitable for diagnosis

Immunity, Precipitation
Hillyer, G. V.; and Capron, A., 1976, J. Parasitol., v. 62 (6), 1011-1013
Fasciola hepatica, human, immunodiagnosis by counterelectrophoresis, extensive cross-reactivity with sera from patients with various other parasitic infections, partial purification of antigen eliminates much of this cross-reactivity

Immunity, Precipitation
Hillyer, G. V.; and del Llano de Diaz, A., 1976, Am. J. Trop. Med. and Hyg., v. 25 (2), 307-311
Fasciola hepatica, rabbits, immunoprecipitin response before and after rafoxanide treatment, results suggest that Ouchterlony double immunodiffusion or counterelectrophoresis can be utilized to show chemotherapeutic success, rafoxanide highly active against immature and mature flukes in rabbits

Immunity, Precipitation
Hillyer, G. V.; and Santiago de Weil, N., 1977, J. Parasitol., v. 63 (3), 430-433
Fasciola hepatica, rats, partial purification of antigen for immunodiagnosis by counterelectrophoresis, improved specificity, compared with immunodiffusion

Immunity, Precipitation
Hoerchner, F.; Grelck, H.; and Flasshoff, F. G., 1976, Berl. u. Munchen. Tierarztl. Wchnschr., v. 89 (15), 296-300
Fasciola hepatica, cattle, diagnosis, comparison of one-time fecal examination and various serological tests, confirmation by post-mortem liver and bile examination; indirect immunofluorescence test better than agar gel precipitation, latex agglutination or fecal examination; duration of egg-shedding after treatment with Dirian

Immunity, Precipitation
Hoshino-Shimizu, S.; Camargo, M. E.; and Umezawa, E. S., 1975, Am. J. Trop. Med. and Hyg., v. 24 (4), 586-589
Trypanosoma cruzi, humans, slide flocculation test for diagnosis recommended as screening procedure especially for blood banks

Immunity, Precipitation
Houba, V.; et al., 1976, J. Immunol., v. 117 (2), 705-707
Schistosoma mansoni, baboons, detection of soluble antigens and antibodies in sera, immunoelectroosmophoresis as a useful technique, possibility that simultaneous detection of both components in serum strongly suggests presence of circulating immune complexes

Immunity, Precipitation
Hsu, S. Y. L.; et al., 1976, J. Parasitol., v. 62 (6), 914-926
Schistosoma mansoni, S. japonicum, rhesus monkeys immunized with highly X-irradiated cercariae, lethal antibody in sera, in vitro effect on schistosomula (perischistosomular precipitate, perischistosomular envelope)

Immunity, Precipitation
Huebner, J.; et al., 1973, J. Protozool., v. 20 (4), 536
Encephalitozoon cuniculi, serodiagnosis, indirect micro-haemagglutination test not successful, microprecipitation in agar gel may have potential

Immunity, Precipitation
Huebner, J.; and Uhlikova, M., 1975, J. Protozool., v. 22 (3), 63A [Abstract]
Toxoplasma gondii, diagnosis, comparison of results of microprecipitation in agar gel, Sabin-Feldman test, and animal inoculation, 2158 animals, results of microprecipitation and animal isolation agree more closely than those of Sabin-Feldman and animal isolation

Immunity, Precipitation
Imai, J., 1972, Nettai Igaku (Trop. Med.), v. 14 (3), 111-123
Paragonimus westermani, biochemical analysis of antigens, effects of heat, protein and carbohydrate content; reactions to agar-gel diffusion, complement fixation and electrophoresis

Immunity, Precipitation
Jatkar, P. R.; and Purohit, S. K., 1977, Indian Vet. J., v. 54 (12), 1021-1024
Trypanosoma evansi antigens and erythrocytic antigens from infected horse blood, comparison by gel diffusion tests

Immunity, Precipitation
Jenkins, S. N., 1976, Parasitology, v. 73 (2), xiv [Abstract]
Trichuris muris, immunization with whole male and stichocyte antigen preparations and with 'exo' antigen obtained by incubation of adult worms, analysis of functional antigens by immunodiffusion and physicochemical treatments

Immunity, Precipitation
Jira, J.; et al., 1975, Ceskoslov. Epidemiol., Mikrobiol., Imunol., v. 24 (5), 300-303
toxoplasmosis, human, relationship between complement fixation titres and results in double agar gel diffusion test

Immunity, Precipitation
Kagan, I. G.; and Norman, L. G., 1976, National Cancer Inst. Monograph (43), 121-125
Pneumocystis carinii pneumonia in humans, evaluation of serologic tests with comparison of results of immunodiffusion, immunofluorescence, complement fixation and double diffusion tests, lower level of measurable antibody in American sera in comparison to that from European laboratories

Immunity, Precipitation
Kamiya, M.; Tharavanij, S.; and Harinasuta, C., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 187-194
Angiostrongylus cantonensis, fractionation of male and female antigen extracts, antigenicity of each fraction determined by indirect hemagglutination and immunoelectrophoresis tests

Immunity, Precipitation
Katamine, D.; Imai, J.; and Iwamoto, I., 1968, Nettai Igaku (Trop. Med.), v. 10 (1), 29-38
Paragonimus westermanii, evaluation of agar gel diffusion test for diagnosis and assessment of chemotherapeutic effect

Immunity, Precipitation
Kazacos, K. R., 1975, Vet. Parasitol., v. 1 (2), 165-174
Trichinella spiralis-immunized rats, increased resistance to Nippostrongylus brasiliensis, heterologous and homologous tests of immune precipitate formation on infective larvae

Immunity, Precipitation
Kazacos, K. R., 1976, J. Parasitol., v. 62 (3) 493-494
Trichinella spiralis-immunized rats, increased resistance to Strongyloides ratti; lack of cross-reacting precipitating antibodies in in vitro tests

Immunity, Precipitation
Kazacos, K. R.; and Thorson, R. E., 1975, J. Parasitol., v. 61 (3), 525-529
rats, immunization with Nippostrongylus brasiliensis or Strongyloides ratti protected against homologous and heterologous challenge; precipitates formed on infective larvae incubated in vitro in homologous or heterologous immune globulins

Immunity, Precipitation
van Knapen, F.; Framstad, K.; and Ruitenberg, E. J., 1976, J. Parasitol., v. 62 (2), 332-333
Trichinella spiralis, reliability of enzyme-linked immunosorbent assay as control method for detection of infections in naturally infected slaughter pigs, compared with direct methods of diagnosis (trichinoscopy; digestion method) and other serological tests (immunofluorescence; counterelectrophoresis; Ouchterlony agar gel diffusion)

Immunity, Precipitation
Krettli, A.; Chen, D. H.; and Nussenzweig, R. S., 1973, J. Protozool., v. 20 (5), 662-665
Plasmodium berghei, P. cynomolgi, sporozoites isolated by density-gradient centrifugation, infectivity, ability to induce protective immunity and formation of antisporozoite antibodies, in vitro reactivity in circum-sporozoite precipitation reaction

Immunity, Precipitation
Krupp, I. M., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 387-392
Entamoeba histolytica, antigenic pattern and variation in host response to amebic disease analyzed by immunoelectrophoretic patterns and indirect hemagglutination titers in sera obtained from patients from various parts of the world

Immunity, Precipitation
Lahav, M.; et al., 1975, J. Protozool., v. 22 (3), 72A [Abstract]
Entamoeba histolytica, human, detection of antibodies by counterelectrophoresis and passive haemagglutination technique

Immunity, Precipitation
Lamina, J., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 305-311
Toxocara canis, human visceral larva migrans, attempted diagnosis using micro-precipitation with living larvae and Ouchterlony gel-precipitin test using Toxocara and some other helminth antigens, some cross-reactions

Immunity, Precipitation
Lamina, J., 1976, Deutsche Tierarztl. Wchnschr., v. 83 (4), 133-136
Ascaris lumbricoides, guinea-pigs (exper.), detection of humoral antibodies by microprecipitation test

Immunity, Precipitation
Lanham, S. M., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 270 [Abstract]
trypanosomes, enzymatic identification of precipitating antigens

Immunity, Precipitation
Le Ray, D.; van Meirvenne, N.; and Jadin, J. B., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 273-274 [Abstract]
Trypanosoma brucei, bloodstream and culture forms, common and variable antigens, immunoelectrophoretic characterization

Immunity, Precipitation
Lewert, R. M., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 171-175
Schistosoma japonicum, immunodiagnosis of human schistosomiasis, review

Immunity, Precipitation
Locatelli, A.; and Simonic, T., 1974, Folia Vet. Latina, v. 4 (1), 43-70
Fasciola hepatica, short review of physiology, biochemistry, pathogenicity, immunology, and diagnosis (fecal examination, complement fixation, precipitation, haemagglutination, flocculation, and allergy tests, indirect immunofluorescence)

Immunity, Precipitation
Londono, I., 1974, Bol. Chileno Parasitol., v. 29 (3-4), 64-71
Trichinella spiralis, antigenic differences between larvae and adults demonstrated by development of stage-specific precipitin antibodies

Immunity, Precipitation
Londono, I., 1974, Bol. Chileno Parasitol., v. 29 (3-4), 72-78
Trichinella spiralis, association of antilarval and anti-adult precipitin antibodies with specific immunoglobulins, rats

Immunity, Precipitation
Lubieniecki, B., 1976, J. Fish Biol., v. 8 (6), 431-439
Grillotia erinaceus plerocercoids, haddock, cod, saithe, incidence and intensity increased with host age, no host sex difference in incidence, proportions of parasite maturity stages consistent between haddock length groups, distribution in gut of hosts, speculation on life cycle, Ouchterlony gel diffusion test (precipitin bands failed to develop)

Immunity, Precipitation
Lunde, M. N.; and Fayer, R., 1977, J. Parasitol., v. 63 (2), 222-225
Sarcocystis, soluble antigen prepared from zoites obtained by pepsin digestion techniques, indirect hemagglutination test and agar gel diffusion test in cattle, possible use in diagnosis, antigen did not cross-react with sera of Toxoplasma-positive humans and did not react with sera from Sarcocystis-infected dogs

Immunity, Precipitation
McCarthy, V. C.; and Clyde, D. F., 1977, Exper. Parasitol., v. 41 (1), 167-171
Plasmodium vivax, human, correlation of circumsporozoite precipitation reaction with sporozoite-induced protective immunity

Immunity, Precipitation
Machnicka, B., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 213-221
Taenia saginata, humans, Cysticercus bovis, calves, antibody response, cross-reactions indicating antigenic relationship between adult and larval form, passive hemagglutination, indirect immunofluorescence, gel precipitation, immunoelectrophoresis

Immunity, Precipitation
Madwar, M. A.; and Voller, A., 1977, Tropenmed. u. Parasitol., v. 28 (1), 57-62
Schistosoma haematobium and S. mansoni in humans, immunoserologic investigations indicate that both antibody and circulating antigen can be detected, relations with immune-complex nephritis and pathology of infections still unclear

Immunity, Precipitation
Mahajan, R. C.; et al., 1976, Indian J. Med. Research, v. 64 (8), 1173-1176
evaluation of counterimmunoelectrophoresis as useful tool in diagnosis of human echinococcosis

Immunity, Precipitation
Mannweiler, E.; et al., 1976, Deutsche Med. Wchnschr., v. 101 (52), 1915-1919
human amoebic hepatic abscesses, comparative seroimmunologic tests for antibody presence in infected persons, controls and persons from endemic areas show multiple tests needed for accurate diagnosis

Immunity, Precipitation
Marcoullis, G.; and Graesbeck, R., 1976, Tropenmed. u. Parasitol., v. 27 (3), 314-322
Onchocerca volvulus, antigen extracts, preliminary identification and characterization; cross-reactions in immunodiffusion using other helminth antigens and sera from patients with other parasitic diseases

Immunity, Precipitation
van Meirvenne, N.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 274-275 [Abstract]
Trypanosom[a] brucei, bloodstream and culture forms, common and variable antigens, immunogenic properties studied by trypanolysis (combined with neutralization and absorption) and immunoelectrophoretic analysis

Immunity, Precipitation
Mohr, W., 1976, Med. Klin., Berlin, v. 71, 1204-1209
human protozoal infections, value of immunoserologic techniques in diagnosis, comparison with results of direct blood examination and culture methods

Immunity, Precipitation
Moreau, J. P.; et al., 1975, Medecine Trop., v. 35 (5), 402-406
probable Fasciola gigantica infection in Malagasy woman, highly positive sero-immunologic tests although previous parasitologic tests had been negative, case report: Madagascar

Immunity, Precipitation
Neilson, J. T. M., 1975, J. Parasitol., v. 61 (5), 785-793
Dipetalonema viteae, adults, soluble somatic extracts, extracts of solubilized cuticles and membranes, fractionation by Sephadex column chromatography and polyacrylamide gel electrophoresis, constituents of each preparation compared by immunodiffusion and immunoelectrophoresis

Immunity, Precipitation
Nemeth, I., 1971, Parasitol. Hungar., v. 4, 23-46
Taenia pisiformis and Cysticercus pisiformis precipitin responses studied in rabbits (exper.) using agar gel diffusion precipitin test, antigenic composition defined

Immunity, Precipitation
Nemeth, I., 1972, Parasitol. Hungar., v. 5, 83-97
Cysticercus pisiformis, localization of immunoprecipitins in rabbits (exper.) by means of agar gel immunoelectrophoresis, association with IgM immunoglobulin class

Immunity, Precipitation
Nemeth, I., 1972, Parasitol. Hungar., v. 5, 99-134
Cysticercus pisiformis in rabbits (exper.), identification of hemagglutinating and precipitating antibodies in both primary and secondary infections, associations with IgM and IgG immunoglobulin classes

Immunity, Precipitation
Nemeth, I., 1972, Parasitol. Hungar., v. 5, 135-157
Cysticercus pisiformis in rabbits (exper.), isolation of specific antibodies belonging to IgG and IgM classes as shown by agar gel diffusion precipitation and indirect hemagglutination tests

Immunity, Precipitation
Neppert, J., 1974, Tropenmed. u. Parasitol., v. 25 (4), 454-463
cross-reacting antigens among some filariae and other helminths, closed hexagonal immunodiffusion technique, implications for serodiagnosis of filariasis

Immunity, Precipitation
Neppert, J.; and Warns, C.-M., 1974, Tropenmed. u. Parasitol., v. 25 (4), 492-497
sera from Liberians with various helminthic infections, cross reactions with antigens from Ascaris, hookworm, Onchocerca, Dirofilaria immitis, closed hexagon immunodiffusion, complement fixation reaction, indirect haemagglutination

Immunity, Precipitation
Niel, G.; et al., 1972, Medecine et Malad. Infect., v. 2 (5), 193-202
filariasis, human, diagnosis by double-diffusion and immunoelectrophoresis, examination of possible use of Setaria labiatopapillosa as antigen, comparison with Dipetalonema vitae and Ascaris suum as antigens

Immunity, Precipitation
Niel, G.; et al., 1974, Medecine et Malad. Infect., v. 4 (5), 231-235
Entamoeba histolytica, immunoelectrodiffusion in diagnosis of human infection, comparison with immunoelectrophoresis, immunofluorescence and latex agglutination test

Immunity, Precipitation
Norman, L.; and Kagan, I. G., 1975, Bol. Chileno Parasitol., v. 30 (3-4), 58-64
Trichinella spiralis, rabbit and human serum, evaluation of crude and fractionated antigens and comparison of effectiveness of serologic tests for diagnosis

Immunity, Precipitation
Oelerich, S., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (3), 296-304
Leishmania spp., Trypanosoma cruzi, Crithidia sp., Mycobacterium smegmatis, antigenic analyses and cross reactions, double gel-diffusion, complement-fixation, indirect hemagglutination

Immunity, Precipitation
Oelerich, S.; and Nwokolo, C., 1974, Tropenmed. u. Parasitol., v. 25 (2), 137-146
Paragonimus uterobilateralis, sera from 27 patients, complement fixation, indirect hemagglutination, double gel diffusion, reactions with homologous antigen and cross-reactions with other helminth antigens, disc-electrophoretic analysis of P. uterobilateralis antigen: Nigeria

Immunity, Precipitation
Oelerich, S.; Umaly, R. C.; and Lederer, I., 1974, Tropenmed. u. Parasitol., v. 25 (3), 318-326
Schistosoma mansoni, different developmental stages, S. japonicum, Fasciola hepatica, Ascaris suum, cross reactions in double gel diffusion, Cerkarienhullenreaktion, complement fixation, indirect immunofluorescence, indirect haemagglutination, mice, rabbits

Immunity, Precipitation
Orti Daras, T.; Martin Estruch, A.; and Miquel, L. A., 1974, Med. Espan. (426), an. 37, v. 72, 149-153
serologic diagnosis of human Echinococcus granulosus using cross-over electrophoresis

Immunity, Precipitation
Ostmann, H.; Oelerich, S.; and Lederer, I., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (1), 72-80
Trypanosoma cruzi, antigenic analysis, titers obtained with complement-fixation and indirect hemagglutination tests using hyperimmune sera from rabbits and guinea pigs; antibodies in mice demonstrable earlier and longer by complement fixation than by indirect hemagglutination and double-gel diffusion; for 33 Chagas' disease patients indirect hemagglutination was slightly more sensitive than complement-fixation, serum IgM levels not raised

Immunity, Precipitation
Petithory, J.; and Boulard, C., 1972, Nouv. Presse Med., v. 1 (27), 1841-1843
human myiasis of Hypoderma bovis or H. lineatum, diagnosis in early stages using the Ouchterlony method and immunoelectrophoresis with antigen extract of the first larval stage of H. lineatum

Immunity, Precipitation
Pinilla, N.; et al., 1976, Bol. Chileno Parasitol., v. 31 (3-4), 68-70
human echinococcosis, seroepidemiologic prevalence survey using latex agglutination test with confirmation of results by immunoelectrophoresis: Cabrero, Departamento de Yumbel, Concepcion, Chile

Immunity, Precipitation
Pinon, J. M.; and Dropsy, G., 1976, Biomedicine, v. 25 (9), 341-344
human echinococcosis, evaluation of immunoelectrodiffusion for diagnosis and epidemiologic study, comparison with results using immunoelectrophoresis

Immunity, Precipitation
Pinon, J. M.; and Dropsy, G., 1977, J. Immunol. Methods, v. 16 (1), 15-22
various human parasitic diseases, application of enzyme-linked-immuno-electrodiffusion assay (combination of immunoelectrodiffusion and immunoenzyme method), sensitivity and specificity, enables class of immunoglobulins involved to be determined

Immunity, Precipitation
Pinon, J. M.; and Dropsy, G., 1977, Path. Biol., v. 25 (1), 23-27
human parasitic diseases, use of enzyme-linked-immuno-electro-diffusion-assay (ELIEDA) in diagnosis and immunologic studies

Immunity, Precipitation
Pinon, J. M.; and Gentilini, M., 1973, Nouv. Presse Med., v. 2 (19), 1283-1287
human filariasis, application of cellular immunologic tests (rosette formation, macrophage migration) in diagnosis and comparison with serologic tests (fluorescent antibody, passive hemagglutination, gel diffusion)

Immunity, Precipitation
Pozzuoli, R.; et al., 1975, J. Immunol., v. 115 (5), 1459-1463
Echinococcus granulosus, isolation of the most immunoreactive antigens from sheep hydatid fluid, evaluation in immunoelectrophoresis, counter immunoelectrophoresis, and passive haemagglutination, latter must be considered test of choice in serologic diagnosis

Immunity, Precipitation
Quilici, M.; Assadourian, Y.; and Ranque, P., 1971, Medecine Trop., v. 31 (2), 207-213
immunological diagnosis and post-treatment evaluation of human echinococcosis, comparison of sero-immunological tests

Immunity, Precipitation
Ranque, J.; et al., 1972, Nouv. Presse Med., v. 1 (20), 1363 [Letter]
human visceral leishmaniasis, value of immunoprecipitation and immunofluorescence in diagnosis, immigrants into France from endemic areas

Immunity, Precipitation
Rao, B. V.; and Mittal, K. R., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 476-480
hydatidosis in Bubalus bubalis, failure to detect antibodies with indirect hemagglutination, scolexo-precipitation, or gel diffusion tests

Immunity, Precipitation
Rao, B. V.; and Mittal, K. R., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 481-486
buffalo hydatid cyst fluid, antigenicity studied in rabbits, lambs, buffalo, and zebu calves with indirect hemagglutination, scolexo-precipitation, and gel diffusion tests, compared with other antigen preparations

Immunity, Precipitation
Rezai, H. R.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 149-151
Leishmania donovani, techniques of indirect immunofluorescence and counter current immunoelectrophoresis compared in diagnosing kala-azar in children, immunoelectrophoretic test found useful tool for epidemiologic surveys and diagnosis

Immunity, Precipitation
Ridley, D. S., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (6), 793-796
schistosomiasis, human, diagnosis, complement fixation tests, 2 crude and 6 fractionated antigens, comparison with card precipitin test

Immunity, Precipitation
Russi, S.; Siracusano, A.; and Vicari, G., 1974, J. Immunol., v. 112 (3), 1061-1069
Echinococcus granulosus, hydatid cysts of sheep and human origin, isolation and characterization of carbohydrate antigen with blood group P_1 activity, occurrence of precipitating antibodies against this antigen in 11 of 21 sera from human cases of echinococcosis

Immunity, Precipitation
Sadun, E. H.; Williams, J. S.; and Gore, R. W., 1973, Isotopes and Radiation Parasitol. III, 73-90
Schistosoma mansoni, S. haematobium, Trichinella spiralis, development of radioactive antigen microprecipitin assay (RAMP), comparison with soluble antigen fluorescent antibody and passive cutaneous anaphylaxis tests, results indicate RAMP measures antibody primarily of I_gE class

Immunity, Precipitation
Sagua, H.; et al., 1972, Bol. Chileno Parasitol., v. 27 (1-2), 58-60
eosinophilia, intradermal, ring precipitation and bentonite flocculation tests, comparison of results in persons at time of Trichinella spiralis infection and 8 1/2 years after infection

Immunity, Precipitation
Sauerbrey, M., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, part 1), 1156-1158
Angiostrongylus costaricensis, human abdominal infections diagnosed using the gel-double diffusion precipitin reaction using as antigen sera from infected cotton rats

Immunity, Precipitation
Sawyer, M.; et al., 1973, Am. J. Vet. Research, v. 34 (10), 1281-1284
quantitative serologic assay (single radial immunodiffusion) for diagnosing congenital infections of cattle (including A. marginale)

Immunity, Precipitation
Scapin, M.; and Tendler, M., 1975, J. Parasitol., v. 61 (3), 561-562
Schistosoma mansoni, immunoelectroosmophoresis as rapid method for detecting soluble antigenic fraction

Immunity, Precipitation
Scapin, M.; and Tendler, M., 1977, J. Helminth., v. 51 (1), 71-72
Schistosoma mansoni, human, detection of immunoprecipitins by immunoelectroosmophoresis and immunodiffusion methods using adult worm antigens, comparison of antigens obtained by agitation in 3M KCl and by homogenization in saline

Immunity, Precipitation
Schnur, L. F.; and Zuckerman, A., 1977, Ann. Trop. Med. and Parasitol., v. 71 (3), 273-294
Sudanese, Kenyan and Ethiopian leishmanial isolates from human visceral and cutaneous infections, various wild animals and sandflies, leishmanial excreted factor (EF) serotypes determined by gel diffusion, discussion of distribution and relationships

Immunity, Precipitation
Segura, E. L.; et al., 1974, J. Protozool., v. 21 (4), 571-574
Trypanosoma cruzi epimastigotes from cultures, separation into fractions (nuclear, mitochondrial, lysosomal, microsomal, and cell-sap), DNA, RNA content and enzyme markers of fractions, subcellular localization of antigens by Ouchterlony tests in cell-sap and microsomal fractions

Immunity, Precipitation
Seitz, H. M., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 88-90
Plasmodium vinckei, P. berghei, counter-current immunoelectrophoresis used to detect malarial antigens and antibodies in rat and mouse sera, more sensitive than double diffusion methods

Immunity, Precipitation
Setasuban, P., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (1), 114-115
Ancylostoma tubaeforme, differentiation from A. caninum using Sarles phenomenon: precipitation around openings of third stage larvae of A. tubaeforme in presence of homologous antisera, no precipitation with A. caninum

Immunity, Precipitation
Shukla, D. C.; and Victor, D. A., 1976, Indian Vet. J., v. 53 (11), 852-854
sarcosporidiosis, bovines, diagnosis, complement fixation effective, agglutination and gel diffusion were of no value

Immunity, Precipitation
Sinios, A., 1972, Monatschr. Kinderh., v. 120 (9), 378-381
Ascaris lumbricoides causing interstitial eosinophilic pertussis-like pneumonia in newborn, diagnosis by direct and indirect precipitation reaction after emesis of adult Ascaris by mother

Immunity, Precipitation
Sinski, E.; and Holmes, P. H., 1977, Exper. Parasitol., v. 43 (2), 382-389
Nippostrongylus brasiliensis, rats, systemic and local antibody response, specific antiparasite binding capacity of IgA and IgG in intestinal mucosa and serum measured by radioimmunoassay, results compared with total levels of IgA and IgG and hemagglutinating and precipitating antibody titers, indirect evidence that local IgA may be part of effector mechanism

Immunity, Precipitation
Souza, M. do C.; et al., 1974, J. Protozool., v. 21 (4), 579-584
living culture forms of Leptomonas pessoai cross-protected mice against Trypanosoma cruzi challenge infection, circulating antibodies detected in immunized mice by immunodiffusion, passive haemagglutination, complement fixation, and antibody binding assay which cross-reacted with T. cruzi extracts, cellular immune response indicated by leucocyte migration inhibition

Immunity, Precipitation
Spitalny, G. L.; Rivera-Ortiz, C.-I.; and Nussenzweig, R. S., 1976, Exper. Parasitol., v. 40 (2), 179-188
Plasmodium berghei, mice, effect of splenectomy before and after immunization on development and manifestation of sporozoite-induced immunity, monitoring of protective immunity and production of antisporozoite antibodies (circumsporozoite precipitate and sporozoite neutralization activity), effect of passive transfer of hyperimmune sera

Immunity, Precipitation
Stagno, S.; and Hurtado, R., 1970, Bol. Chileno Parasitol., v. 25 (1-2), 90-91
Trypanosoma cruzi, early diagnosis of prenatal infections in newborn infants by demonstration of IgM antibodies using immunodiffusion and immunofluorescence

Immunity, Precipitation
Stamm, W. P.; Ashley, M. J.; and Bell, K., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 49-53
low endemicity area of human amoebiasis, assessment of indirect haemagglutination, latex agglutination, indirect fluorescent antibody test and gel diffusion precipitin test for diagnostic serology

Immunity, Precipitation
Stamm, W. P.; Ashley, M. J.; and Parelkar, S. N., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 211-213
amoebiasis, human, diagnosis, commercially available latex agglutination test marketed in kit form as Serameba, compared with gel diffusion precipitin, fluorescent antibody, and indirect haemagglutination tests

Immunity, Precipitation
Stamm, W. P.; and Phillips, E. A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (6), 490-492
human amoebiasis, cellulose acetate membrane precipitin (CAP) diagnostic test compared with gel diffusion precipitin; results suggest that CAP is slightly more sensitive and equally specific

Immunity, Precipitation
Stevenson, P.; and Jacobs, D. E., 1977, J. Helminth., v. 51 (2), 149-154
Toxocara canis, T. cati, Ascaris suum, Toxascaris leonina, Parascaris equorum, pigs (exper.), in vitro larval precipitate test and indirect fluorescent antibody test using T. canis larvae as antigen, indirect fluorescent antibody test using A. suum larvae as antigen, specificity

Immunity, Precipitation
Swietlikowski, M., 1969, Acta Parasitol. Polon., v. 16 (1-19), 1968-1969, 101-115
Dictyocaulus viviparus, calves, immunization, normal or X-ray inactivated larvae, numbers of infective larvae, levels of complement fixing and precipitating antibodies, course of infection, precipitating antibodies appearing later than complement fixing antibodies and probably produced by mature parasites

Immunity, Precipitation
Tanaka, H., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 176-179
human schistosomiasis, comparative evaluation of complement fixation and circumoval precipitin reactions for diagnosis and assessment of cure after therapy

Immunity, Precipitation
Thompson, K. C.; Todorovic, R. A.; and Hidalgo, R. J., 1977, Research Vet. Sc., v. 23 (1), 51-54
Babesia bigemina, antigenic variation in 4 stabilates propagated as acute and chronic blood-borne and tick-borne infections of Colombian cattle, characterization by means of complement fixation, gel diffusion, agar gel electrophoresis, and indirect haemagglutination tests

Immunity, Precipitation
Torres, J. M.; Guisantes, J. A.; and Lopez-Lemes, M. H., 1975, Bol. Centro Panam. Zoonosis, v. 17 (1-2), 27-42
use of electrosyneresis (counter-immunoelectrophoresis) in diagnosis of human Echinococcus granulosus, review and standardization of method

Immunity, Precipitation
Torres, P.; and Barriga, O. O., 1974, Bol. Chileno Parasitol., v. 29 (3-4), 79-85
Ascaris suum, A. lumbricoides, Toxocara mystax, Ascaridia galli, comparative antigenic analysis by gel double diffusion and immunoelectrophoresis

Immunity, Precipitation
Tribouley-Duret, J.; et al., 1976, Compt. Rend. Soc. Biol., Paris, v. 170 (2), 349-352
Toxocara canis, mice, rabbits, detection of antibodies using antigen prepared from adult worm rather than larva, precipitation, complement fixation, hemagglutination, results show such antigen should be suitable for diagnosis of visceral larva migrans

Immunity, Precipitation
Trzeciak, J.; et al., 1975, Med. Wet., v. 31 (11), 661-662
fascioliasis, bovine, flocculation test not useful for diagnosis

Immunity, Precipitation
Tsuji, M.; et al., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 233-236
Schistosoma japonicum, immunologic differences of 3 species of Oncomelania vector snails, immunoelectrophoretic demonstration of shared antigens between adult worms and snail vectors

Immunity, Precipitation
Umaly, R. C.; Oelerich, S.; and Haas, J., 1974, Tropenmed. u. Parasitol., v. 25 (4), 422-432
Schistosoma haematobium, human, with and without other helminthic infections, serodiagnosis, various schistosome antigens plus Ascaris suum and Fasciola hepatica tested in Cercarienhullenreaktion, indirect immunofluorescence, indirect haemagglutination, complement fixation, and double gel diffusion tests, evaluation of sensitivity and specificity, attempt to correlate results of serologic tests with some clinical symptoms and with influence of chemotherapy

Immunity, Precipitation
Vanderberg, J. P., 1974, J. Protozool., v. 21 (4), 527-537
Plasmodium spp. sporozoites, motility, locomotion, movement, effects of several factors (parasite species, oocyst vs. salivary gland sporozoites, presence of albumin or globulins, temperature), relationship to infectivity, immunogenicity (circumsporozoite precipitate reaction), and secretory activity

Immunity, Precipitation
Van Tiggele, L. J.; and Over, H. J., 1976, Vet. Parasitol., v. 1 (3), 239-248
Fasciola hepatica, sheep (nat. and exper.), cattle (exper.), serological diagnosis, comparison of indirect haemagglutination, counter-immunoelectrophoresis, and double immunodiffusion

Immunity, Precipitation
Varela-Diaz, V. M.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (4), 617-622
latex agglutination test is technique of choice for field surveys and seroepidemiologic studies of human Echinococcus granulosus, comparative evaluation of indirect agglutination test, immunoelectrophoresis and Casoni skin test

Immunity, Precipitation
Varela-Diaz, V. M.; et al., 1977, Research Vet. Sc., v. 23 (2), 213-216
Echinococcus granulosus, Taenia hydatigena, comparative antigenic characterization of cyst fluids by immunoelectrophoresis, arc 5 antigens are present in both fluids, significance to phylogenetic and immunodiagnostic studies

Immunity, Precipitation
Varma, T. K.; Kulshrestha, S. B.; and Rao, B. V., 1975, Riv. Parassitol., Roma, v. 36 (4), 287-294
Taenia hydatigena, larval and strobilar phase, serodiagnostic studies with in vitro precipitation test, naturally infected sheep and goats, experimentally infected lambs and pups

Immunity, Precipitation
Verma, B. B.; and Gautam, O. P., 1977, Indian Vet. J., v. 54 (10), 809-813
Trypanosoma evansi, buffaloes, calves (both exper.), diagnosis, comparison of passive haemagglutination, gel diffusion and indirect fluorescent antibody tests

Immunity, Precipitation
Vinayak, V. K.; et al., 1976, Indian J. Med. Research, v. 64 (5), 661-667
value of immunoelectrophoresis in immunodiagnosis of human hepatic and intestinal Entamoeba histolytica, comparison with indirect agglutination and gel diffusion methods

Immunity, Precipitation
Visvesvara, G. S.; and Balamuth, W., 1975, J. Protozool., v. 22 (2), 245-256
Acanthamoeba, Naegleria, Hartmannella, comparative studies on free-living and pathogenic amebae: cyst structure; nutrition; protein composition; immunology; cell free plaques and other cytopathic effects; phospholipase liberation; sensitivity to amphotericin B

Immunity, Precipitation
Visvesvara, G. S.; and Healy, G. R., 1973, J. Protozool., v. 20 (4), 522
pathogenic vs. free-living Naegleria, comparison by gel-diffusion and immunoelectrophoresis reactions

Immunity, Precipitation
Vives, H. A., 1977, Acta Bioquim. Clin. Latinoam., v. 11 (1), 59-64
Echinococcus granulosus, diagnosis of hydatid disease, double and radial immunodiffusion

Immunity, Precipitation
Vizcaino G., O.; and Todorovic, R. A., 1975, Rev. Inst. Colomb. Agropec., v. 10 (1), 77-85
Babesia bigemina, B. argentina, characterization of antigens, complement fixation, immunodiffusion, cross-immunity tests

Immunity, Precipitation
Weisbroth, S. H.; Wang, R.; and Scher, S., 1973, Lab. Animal Sc., v. 23 (2), 241-247
Cuterebra buccata, natural infections of laboratory Oryctolagus cuniculus, gross and microscopic aspects of skin lesions, immediate and delayed hypersensitivity reactions to skin tests, detection of circulating precipitins by immunodiffusion tests

Immunity, Precipitation
Weiss, N.; and Degremont, A., 1976, Tropenmed. u. Parasitol., v. 27 (3), 377-384
filariasis in persons returning from endemic areas, comparison immunoserologic diagnostic tests (immunoelectrophoresis, indirect fluorescent antibody, indirect hemagglutination, two-dimensional gel diffusion tests) showed that highest sensitivity obtained with immunoelectrophoresis, combined tests gave best results

Immunity, Precipitation
Willaert, E. J. P.; De Jonckheere, J. F.; and Oktem, N., 1977, J. Parasitol., v. 63 (2), 389-390
Naegleria fowleri, immunoelectrophoretic identification of environmental pathogenic isolate from Belgium

Immunity, Precipitation
Willaert, E.; Jadin, J. B.; and Le Ray, D., 1972, Protistologica, v. 8 (4), 497-504
Naegleria, immunoelectrophoretic analysis of water soluble proteins, comparison of pathogenic and nonpathogenic strains, confirms existence of two separate species and gives evidence of homogeneity of pathogenic strains from different geographic areas, no antigenic relationship with Hartmannella castellanii or Entamoeba histolytica, study of antigenically intermediate strain between Naegleria gruberi and pathogenic Naegleria sp.

Immunity, Precipitation
Willaert, E.; and Stevens, A. R., 1976, Path. Biol., v. 24 (2), 89-91
Acanthamoeba castellani, purified plasma membranes, elicited antisera assayed by immunoprecipitation and immunofluorescence methods, cross reaction with other species of Acanthamoeba; plasma membrane antisera may allow identification of species or even strains

Immunity, Precipitation
Williams, A. I. O., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (5), 621-630
Plasmodium falciparum, preparation and use of malarial placenta antigen for immunodiffusion studies: Ibadan, Western State of Nigeria

Immunity, Precipitation
Williams, J. F.; Perez Esandi, M. V.; and Oriol, R., 1971, Am. J. Trop. Med. and Hyg., v. 20 (4), 575-579
evaluation of purified lipoprotein antigens of Echinococcus granulosus in the immunodiagnosis of human infection using hemagglutination, immunoelectrophoresis and skin tests

Immunity, Precipitation
Williamson, J.; and Cover, B., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 78-87
Plasmodium falciparum, application of differential sucrose gradient centrifugation to separation and purification of human erythrocytic stages and gametocytes and of nitrogen cavitation for host-cell-free parasite preparation, gel diffusion analyses showed that highly purified infected cell preparations retained precipitinogenic spectrum of original crude preparation, possible use in vaccine preparation

Immunity, Precipitation
Wilson, R. J. M.; et al., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 308-312
Plasmodium falciparum, human, precipitating antibody response to malarial S-antigens, age distribution, other factors affecting production and detection of such antibodies: The Gambia

Immunity, Precipitation
Wilson, R. J. M.; and Williams, K., 1973, Ann. Trop. Med. and Parasitol., v. 67 (1), 15-20
European with suspected pyrimethamine-resistant malaria, serological study (flurorescent antibody test, C-reactive protein, precipitin test, immunoglobulin levels), precipitating antibodies demonstrated against two specific malarial antigens, differences from antibodies seen in sera from repeatedly infected Africans: The Gambia, West Africa

Immunity, Precipitation
Yarzabal, L. A.; et al., 1977, J. Parasitol., v. 63 (3), 495-499
antigen 5 of Echinococcus granulosus found to also be a component of E. multilocularis, radioimmunoelectrophoretic, immunodiffusion, and immunoabsorption studies, implications for immunodiagnosis of hydatid disease

Immunity, Precipitation
Yogore, M. G.; Ozcel, M. A.; and Lewert, R. M., 1976, Am. J. Trop. Med. and Hyg., v. 25 (2), 353-354
Schistosoma japonicum, immunofluorescence of circumoval precipitate, all three major Ig classes found to participate in formation of precipitate (IgA < IgG < IgM), IgE and C3 also contributed

Immunity, Precipitation
Yoshimura, K.; et al., 1976, Japan. J. Vet. Sc., v. 38 (6), 579-593
Angiostrongylus cantonensis, guinea pigs, rats, evolution of cellular (macrophage migration inhibitory factor; delayed-type skin reactivity) and humoral (hemagglutinating and precipitating antibodies) immune responses

Immunity, Precipitation
Zapart, W.; Adonajło, A.; and Gancarz, Z., 1969, Acta Parasitol. Polon., v. 16 (1-19), 1968-1969, 9-19
Trichinella spiralis, sera from infected humans, evaluation of fractionated antigens, complement fixation and ring precipitation tests

Immunity, Precipitation
Zawadzka-Jedrzejewska, B.; Gancarz, Z.; and Plonka, W., 1971, Med. Dosw. i Mikrobiol., v. 23 (3), 271-279
Fasciola hepatica, beef cattle, comparative evaluation of passive agglutination, complement fixation and ring precipitation test for diagnosis

Immunity, Precipitation
Zuckerman, A., 1977, Exper. Parasitol., v. 42 (2), 374-446
Plasmodium, immunology, extensive review: immunodiagnosis and seroepidemiology; immunopathology; antigenic analysis; host responses; immunoglobulins; cell-mediated reactions

Immunity, Premunition
Callow, L. L.; et al., 1974, Austral. Vet. J., v. 50 (1), 12-15
Babesia bigemina, cattle self-cured, drug-cured with imidocarb or with persistent infections showed an appreciable or strong degree of immunity to challenge (the finding is contrary to the concept of premunition); indirect fluorescent antibody test (antibody titre did not reflect degree of resistance to challenge)

Immunity, Premunition
Carson, C. A.; Sells, D. M.; and Ristic, M., 1977, Am. J. Vet. Research, v. 38 (8), 1167-1172
Anaplasma marginale, cows (exper.), cell-mediated immunity and severity of clinical symptoms in response to challenge infection after inoculation with virulent, live attenuated, or killed A. marginale, effect of chemosterilization on residual immunity

Immunity, Premunition
Frenkel, J. K., 1977, Am. J. Path. (418), v. 86 (3), 749-752
Besnoitia jellisoni in Mesocricetus auratus (exper.), chronic infection of hamsters provides a sensitive example of immunosuppression by corticosteroids and cytostatic agents, permits study of corticosteroid effects on chronic infection-immunity in the adrenals or the body as a whole

Immunity, Premunition
Hussein, H. S., 1977, Ann. Trop. Med. and Parasitol., v. 71 (3), 249-253
Babesia hylomysci, B. microti, mice (exper.), recovery from primary infection of B. microti results in sterile immunity possibly for lifetime, recovery from B. hylomysci results in premunition with infection at subpatent levels with spontaneous relapses, cross-protection occurs between the two species

Immunity, Premunition
Jeon, Y.; Kim, D. S.; and Jeong, S. J., 1975, Research Rep. Office Rural Develop., Min. Agric. and Forest., Korea, v. 17, 45-49
Babesia, cattle, experimental infection for immunization, recovery with persistence of antibodies as shown by indirect fluorescent antibody test

Immunity, Premunition
Kiurtov, N., 1973, Vet. Med. Nauki, v. 10 (4), 49-53
Babesia ovis, intact and splenectomized lambs, premunition, role of spleen in antibody production

Immunity, Premunition
Kuttler, K. L.; and Johnson, L. W., 1977, Vet. Med. and Small Animal Clin., v. 72 (8), 1354, 1356-1359
Anaplasma marginale, Babesia bigemina, B. argentina, Holstein heifers destined for shipment to Nicaragua, premunition by inoculation with organisms, oxytetracycline given to heifers administered attenuated or non-attenuated A. marginale; apparently resistant to field challenge in Nicaragua

Immunity, Premunition
Kuttler, K. L.; and Todorovic, R. A., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 106-112
Anaplasma marginale, cattle, premunization, Gloxazone and Imidocarb superior to oxytetracycline in moderating premunizing infection, possible factors affecting success (age of host; virulence, size, and potency of premunizing inoculum; strain or size of challenge exposure; temperature and altitude)

Immunity, Premunition
Loehr, K.F., 1972, J. Protozool., v. 19 (4), 658-660
Babesia bigemina, immunity in cattle (exper.), concluded that premunity is followed by sterile immunity which lasts for at least 6 months and thereafter fades gradually with time, also concluded that minimum period of contact between host and parasite is required for acquisition of immunity, capillary tube agglutination test sensitive but unsuitable for detection of carrier animals

Immunity, Premunition
Loehr, K. F.; Ross, J. P. J.; and Meyer, H., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (1), 86-95
Anaplasma marginale, A. centrale, cattle, homologous and heterologous indirect fluorescent antibody and capillary tube agglutination responses to primary infection and reinfection and to cross-infection with the heterologous organisms, clinical reactions; A. centrale carrier animals showed high degree of premunity to severe challenge with A. marginale

Immunity, Premunition
Norman, B. B., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 103-106
Anaplasma marginale, cattle, current status of premunization and vaccination for control

Immunity, Premunition
Rank, R. G.; and Weidanz, W. P., 1976, Proc. Soc. Exper. Biol. and Med., v. 151 (2), 257-259
Plasmodium gallinaceum, fatal fulminating parasitemias in agammaglobulinemic chickens, B-cell deficient chickens rescued from primary infection by chloroquine therapy resisted challenge infection, data suggest that premunition to malaria in chickens is B-cell independent

Immunity, Premunition
Todorovic, R., 1976, Vet. Parasitol., v. 2 (1), 97-109
Babesia spp., cattle, review: serodiagnosis, immunization (sterile immunity; premunition), chemoprophylaxis with imidocarb, vectors: Colombia

Immunity, Premunition
Todorovic, R. A.; and Tellez, C. H., 1975, Trop. Animal Health and Prod., v. 7 (3), 125-131
adult cattle (Bos taurus), premunition against Babesia bigemina and B. argentina using Imidocarb or Ganaseg to control post premunition reactions was effective and practical; premunition against Anaplasma marginale using oxytetracycline and Gloxazone was less effective and not practical

Immunity, Premunition
Weilgama, D. J.; Jayasekara, M. U.; and Hussain, M., 1975, Ceylon Vet. J., v. 23 (3-4), 49-53
Babesia bigemina, B. argentina, Anaplasma centrale, A. marginale, three breeds of cattle (Ayrshire, Friesian and Shorthorn), haematological changes including parasitaemia and temperature reactions following premunisation with blood from infected cattle: Sri Lanka, imported from New Zealand

Immunity, Premunition
Whitlock, J. H.; and Georgi, J. R., 1976, Parasitology, v. 72 (3), 207-224
biological controls in mixed trichostrongylid infections (predominantly Haemonchus contortus cayugensis) in sheep, different ecosystems (barn vs. pasture) and different treatment groups, course of infections (erythrocyte loss, fecal egg counts, hematocrit values), "Anaphylactoid 'self-cure' did not occur in this experiment but something like premunition certainly did."

Immunity, Radioimmunoassay
Bout, D.; et al., 1977, Ann. Immunol., v. 128C (3), 687-698
Schistosoma mansoni, Fasciola hepatica, Echinococcus granulosus, characterization of allergens by radioimmunoelectrophoresis

Immunity, Radioimmunoassay
Carson, D.; Metzger, H.; and Bazin, H., 1975, J. Immunol., v. 115 (2), 561-563
Nippostrongylus braziliensis-infected rats, simple radioimmunoassay for measurement of IgE levels by ammonium sulfate precipitation

Immunity, Radioimmunoassay
Gehle, W. D.; Smith, K. O.; and Fuccillo, D. A., 1976, Infect. and Immun., v. 14 (5), 1253-1255
Toxoplasma gondii, solid-phase radioimmunoassay, results show good correlation with indirect hemagglutination test

Immunity, Radioimmunoassay
Ghose, A. C.; and Rowe, D. S., 1977, Immunochemistry, v. 14 (6), 459-465
Leishmania enriettii, subcellular fractionation, antigenic activity of fractions determined by micro-complement fixation, indirect radioimmunoassay, skin testing, and in vitro lymphocyte transformation, results indicate antigenic heterogeneity and suggest that major humoral and cell-mediated components of immune response in infected guinea-pigs are directed against different antigenic determinants of the parasite

Immunity, Radioimmunoassay
Hamburger, J.; Pelley, R. P.; and Warren, K. S., 1976, J. Immunol., v. 117 (5), pt. 1, 1561-1566
Schistosoma mansoni, three major egg antigens, determination of stage and species specificity by radioimmunoassay

Immunity, Radioimmunoassay
Ito, K.; et al., 1977, Clin. and Exper. Immunol., v. 28 (3), 407-412
Echinococcus multilocularis, human, diagnosis, radioallergosorbent test (RAST) compared with 4 other methods of immunodiagnosis

Immunity, Radioimmunoassay
Kuhn, R. E.; and Vaughn, R. T., 1976, Internat. J. Parasitol., v. 6 (3), 223-225
Trypanosoma cruzi, use of ^{51}Cr-labelled culture forms in agglutination titrations

Immunity, Radioimmunoassay
Movsesijan, M.; and Lalic, R., 1973, Isotopes and Radiation Parasitol. III, 33-42
Dictyocaulus filaria, sheep, radioimmunoassay using radioactively labelled immunoglobulins and whole parasites (12-14 days old) as antigen

Immunity, Radioimmunoassay
Murrell, K. D.; et al., 1977, Exper. Parasitol., v. 41 (2), 446-463
Schistosoma mansoni, surface membrane antigens, extraction and partial characterization using assays based on competitive inhibition of human antibodies binding to schistosomules, indirect fluorescent antibody inhibition assay, radioimmune inhibition assay

Immunity, Radioimmunoassay
Patterson, R.; et al., 1975, Pediatrics, Am. Acad. Pediat., v. 56 (3), 417-420
differentiation of visceral larva migrans caused by toxocariasis from that caused by ascariasis using radioimmunoassay to demonstrate serum immunoglobulins

Immunity, Radioimmunoassay
Pelley, R. P.; et al., 1976, J. Immunol., v. 117 (5), pt. 1, 1553-1560
Schistosoma mansoni, identification and purification of three major egg antigens, further characterization by radioimmunoassay, one antigen exhibits degree of stage and species specificity consistent with granulomatous response to S. mansoni eggs, possible role in immunodiagnosis

Immunity, Radioimmunoassay
Pelley, R. P.; Warren, K. S.; and Jordan, P., 1977, Lancet, London (8042), v. 2, 781-785
Schistosoma mansoni, humans, purified egg antigen used in diagnosis by radioimmunoassay, less than 1% cross-reactivity with S. haematobium or S. japonicum

Immunity, Radioimmunoassay
Polmar, S. H.; Waldmann, T.; and Terry, W. D., 1973, J. Immunol., v. 110 (5), 1253-1261
schistosomiasis, human, comparison of 3 radioimmunoassay techniques for measurement of serum IgE

Immunity, Radioimmunoassay
Sadun, E. H.; Williams, J. S.; and Gore, R. W., 1973, Isotopes and Radiation Parasitol. III, 73-90
Schistosoma mansoni, S. haematobium, Trichinella spiralis, development of radioactive antigen microprecipitin assay (RAMP), comparison with soluble antigen fluorescent antibody and passive cutaneous anaphylaxis tests, results indicate RAMP measures antibody primarily of I_gE class

Immunity, Radioimmunoassay
Schinski, V. D.; Clutter, W. C.; and Murrell, K. D., 1976, Am. J. Trop. Med. and Hyg., v. 25 (6), 824-831
Schistosoma mansoni, S. haematobium, human, immunodiagnosis, enzyme-linked immunosorbent assay and radioimmunoassay compared with indirect hemagglutination and indirect fluorescent antibody techniques

Immunity, Radioimmunoassay
Sinski, E.; and Holmes, P. H., 1977, Exper. Parasitol., v. 43 (2), 382-389
Nippostrongylus brasiliensis, rats, systemic and local antibody response, specific antiparasite binding capacity of IgA and IgG in intestinal mucosa and serum measured by radioimmunoassay, results compared with total levels of IgA and IgG and hemagglutinating and precipitating antibody titers, indirect evidence that local IgA may be part of effector mechanism

Immunity, Radioimmunoassay
Smith, W. D., 1977, Research Vet. Sc., v. 22 (3), 334-338
sheep hyperinfected with Haemonchus contortus, anti-larval antibody levels in serum and abomasal mucus detected by radioimmunoassay, no immunological memory observed following challenge infection, presence of IgA antibodies in abomasal mucus thought to be locally produced while IgG antibodies largely derived from blood

Immunity, Radioimmunoassay
Somorin, A. O.; Heiner, D. C.; and Ajugwo, R. E., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 872-876
Onchocerca volvulus, Nigerian patients, total serum IgE measured by radioimmunoassay, comparison with IgE levels in uninfected and atopic groups in Nigeria and California

Immunity, Radioimmunoassay
Vervloet, D.; et al., 1975, Nouv. Presse Med., v. 4 (40), 2886 [Letter]
human echinococcosis, seroimmunological diagnosis using the RAST (radio-allergo-sorbent-test) and soluble antigen of hydatid cysts to detect presence of IgE

Immunity, Radioimmunoassay
Voller, A.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 431-437
human tropical parasitic diseases, comparison of enzyme-immunoassay and radio-immunoassay in detection of antibodies, both assays sensitive and reproducible and gave comparable results

Immunity, Radioimmunoassay
Yarzabal, L. A.; et al., 1977, J. Parasitol., v. 63 (3), 495-499
antigen 5 of Echinococcus granulosus found to also be a component of E. multilocularis, radioimmunoelectrophoretic, immunodiffusion, and immunoabsorption studies, implications for immunodiagnosis of hydatid disease

Immunity, Radioimmunoassay
Yeates, R. A.; and Ogilvie, B. M., 1976, J. Immunol. Methods, v. 12 (1-2), 57-65
Nippostrongylus brasiliensis, Necator americanus, measurement of antibodies to an unpurified enzyme (acetylcholinesterase) using an active-site directed radiolabel, cross-reactions between the two species

Immunity, Radioimmunoassay
Yokogawa, M.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (4), 581-586
increased levels of IgE in sera and pleural exudates of patients infected with Paragonimus, pleural levels significantly higher than serum levels in Paragonimus miyazakii infections when concentrations determined using radioimmunoadsorbents and antigens of Paragonimus spp.

Immunity, Skin tests
Abdel-Salam, E.; and Abd El-Fattah, M., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 463-469
Schistosoma haematobium, statistics of epidemiologic survey of children from 6 months to 10 years of age for prevalence and morbidity of infections, comparison of 3 geographically different villages in the Giza governorate, Egypt

Immunity, Skin tests
Andrews, J. S.; Hill, C. H.; and Henson, L. A., 1976, Proc. Helminth. Soc. Washington, v. 43 (1), 81-84
Trichinella spiralis, pigs, trichina-cyst antigen, intradermal diagnosis, results unreliable

Immunity, Skin tests
Apt, W.; et al., 1970, Bol. Chileno Parasitol., v. 25 (1-2), 37-41
Toxoplasma gondii, human, diagnosis, establishment of criteria for interpretation of toxoplasmin skin test and comparison with results of hemagglutination test

Immunity, Skin tests
Askenase, P. W.; Hayden, B.; and Higashi, G. I., 1976, Clin. and Exper. Immunol., v. 23 (2), 318-327
Schistosoma mansoni, guinea-pigs, cutaneous basophil hypersensitivity (CBH) reactions to schistosome eggs or soluble egg antigens (SEA), contact hypersensitivity-like CBH responses to live cercarial challenge by skin penetration in sensitized animals, SEA-induced macrophage migration inhibition in infected guinea pigs manifesting CBH reactions

Immunity, Skin tests
Banerjee, D. P.; et al., 1977, Trop. Animal Health and Prod., v. 9 (3), 153-158
Babesia equi, donkeys (vaccinated, infected and carrier intact, and splenectomised), intradermal skin test developed to demonstrate hypersensitivity reaction, leucocyte migration inhibition test developed

Immunity, Skin tests
Barratt, M. E. J., 1972, Immunology, v. 22 (4), 601-614
Metastrongylus spp., pigs, immediate hypersensitivity, production and partial characterization of homocytotropic antibody, passive transfer of skin sensitivity to uninfected recipients, homocytotropic activity closely associated with but does not parallel distribution of IgA and may be mediated by another immunoglobulin

Immunity, Skin tests
Barratt, M. E. J., 1972, Immunology, v. 22 (4), 615-623
Metastrongylus spp., pigs, immediate hypersensitivity, partial characterization of allergens, suggested that cross reactions so commonly found when using nematode antigens in wheal and erythema reactions can be eliminated by suitable dilution of the allergen

Immunity, Skin tests
Barrett-Connor, E.; et al., 1976, J. Infect. Dis., v. 133 (4), 473-477
Trichinella spiralis, outbreak in campers after eating roasted wild pig, diagnosis by eosinophilia and sero-immunologic studies; diagnostic test comparisons, skin-test antigen inconclusive: California (infected in Hawaii)

Immunity, Skin tests
Barriga, O. O., 1977, J. Clin. Microbiol., v. 6 (3), 274-279
Trichinella spiralis, different antigenic fractions, reactivity and specificity (tested for cross-reactions against Ascaris suum) in cutaneous (immediate and delayed) and serological (bentonite agglutination, hemagglutination, hemagglutination inhibition) tests, implications for clinical diagnosis of trichinellosis

Immunity, Skin tests
Bettini, S.; Pampiglione, S.; and Maroli, M., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (1), 73-79
leishmaniasis, human, preliminary epidemiological survey, validity of leishmanin skin test confirmed, positivity rate according to age and sex: Tuscany region of Italy

Immunity, Skin tests
Blancou, J.; Bouchet, A.; and Tailliez, R., 1976, Rev. Elevage et Med. Vet. Pays Trop., n. s., v. 29 (1), 39-42
purified antigen of Fasciola hepatica, intradermal reaction in zebu cattle, diagnostic trial

Immunity, Skin tests
Boros, D. L.; Tomford, R.; and Warren, K. S., 1977, J. Immunol., v. 118 (1), 373-376
Schistosoma mansoni, induction of granulomatous and elicitation of cutaneous sensitivity by partially purified soluble egg antigens

Immunity, Skin tests
Bozdech, V., 1976, Ang. Parasitol., v. 17 (2), 70-75
toxoplasmin skin test, humans, percentage of incidence, higher frequency in males, in females with increasing age: Kaduna, Nigeria

Immunity, Skin tests
Buening, G. M., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 71-76
Anaplasma marginale, calves (intact, splenectomized, vaccinated, unvaccinated), comparison of results in leukocyte migration inhibition test, complement fixation test, and intradermic skin tests

Immunity, Skin tests
Camus, D.; et al., 1976, J. Infect. Dis., v. 134 (4), 405-408
Schistosoma mansoni, uninfected children born to infected mothers, intradermal reactions, delayed hypersensitivity to adult antigen

Immunity, Skin tests
Ceruzzi, O.; et al., 1976, Bol. Chileno Parasitol., v. 31 (3-4), 50-56
Echinococcus granulosus in humans, evaluation of Casoni intradermal skin test comparing results from infected and non-infected persons, suggestions for application in epidemiology and diagnostic surveys

Immunity, Skin tests
Church, M. K., 1975, Immunology, v. 29 (3), 527-534
Nippostrongylus brasiliensis-sensitized, resensitized, or passively sensitized rats, interrelationships of anaphylactic bronchoconstriction, active cutaneous anaphylaxis, and circulating reaginic antibody level

Immunity, Skin tests
Collins, R. F.; and Ivey, M. H., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 455-459
skin test responses in guinea pigs infected with small numbers of Toxocara canis or Ascaris suum and challenged intradermally with several adult and larval somatic antigenic preparations

Immunity, Skin tests
Collins, R. F.; and Ivey, M. H., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 460-464
passive cutaneous anaphylaxis responses of sensitized guinea pigs to various antigens of adult and larval stages of Toxocara canis or Ascaris suum; homologous reactions; Ascaris larval antigen reacted with Toxocara antiserum

Immunity, Skin tests
Dobson, C.; and Welch, J. S., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (3), 223-228
survey for antibodies against Dirofilaria immitis, Toxocara canis, Ascaris suum, Angiostrongylus cantonensis, A. mackerrasae, in patients with eosinophilia using fluorescent antibody test and passive reversed Arthus test in guinea pigs; D. immitis implicated as etiologic agent of human eosinophilic meningitis: Australia

Immunity, Skin tests
Donahoe, J. M. R., 1975, J. Parasitol., v. 61 (4), 599-605
Dirofilaria immitis, cats (exper.), microfilaremia, immediate skin hypersensitivity, cutaneous nodules, chylothorax, low adult worm recoveries, one successful mosquito passage from cat to dog

Immunity, Skin tests
Ershov, V. S.; et al., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 343-348
anaphylactic shock in guinea pigs after sensitization with free-living or plant-parasitic nematodes and challenge with various helminth antigens indicates antigenic components in common; intradermal tests using antigen from free-living nematode in cases of ascariasis, trichinellosis, and cysticercosis; possible use of free-living nematode to immunize against dictyocaulosis and ascariasis

Immunity, Skin tests
Forsyth, D. M., 1971, Ann. Trop. Med. and Parasitol., v. 65 (4), 505-511
Schistosoma haematobium, human, skin test, plasma card test, neither sufficiently reliable for use in field estimations of prevalence or for diagnosing infection in individual patients, use for routine diagnostic work condemned but may be tools in schistosomiasis research: Zanzibar, Tanzania

Immunity, Skin tests
Fuller, G. K.; et al., 1976, Ann. Trop. Med. and Parasitol., v. 70 (2), 147-163
Leishmania donovani, human, epidemiologic skin test survey, endemic area, correlations with age, sex, occupation, parasite pathogenicity and host resistance: northwestern Ethiopia

Immunity, Skin tests
Garabedian, G. A.; and Zekian-Arslanian, B., 1976, Ann. Trop. Med. and Parasitol., v. 70 (4), 435-437
hydatid fluid antigen, filtration through Seitz EK filter pads, unsuitable for use in Casoni skin tests or indirect haemagglutination tests, membrane filters more satisfactory

Immunity, Skin tests
Ghose, A. C.; and Rowe, D. S., 1977, Immunochemistry, v. 14 (6), 459-465
Leishmania enriettii, subcellular fractionation, antigenic activity of fractions determined by micro-complement fixation, indirect radioimmunoassay, skin testing, and in vitro lymphocyte transformation, results indicate antigenic heterogeneity and suggest that major humoral and cell-mediated components of immune response in infected guinea-pigs are directed against different antigenic determinants of the parasite

Immunity, Skin tests
Ghosh, T. N., 1976, Trop. and Geogr. Med., v. 28 (2), 145-149
Toxoplasma gondii, humans, evaluation of toxoplasmin skin test in diagnosing suspected infections: Calcutta

Immunity, Skin tests
Gietko, M.; and Zapart, W., 1975, Pediat. Polska, v. 50 (1), 61-68
visceral larva migrans in young children with severe eosinophilia, diagnosed by intradermal skin test antigens of Ascaris lumbricoides and Toxocara canis

Immunity, Skin tests
Grove, D. I.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (2), 220-229
antigen abstract prepared from subperiodic Brugia malayi compared with Dirofilaria immitis antigen in diagnosis of human filariasis, concluded that antigens from microfilariae, adult worms, and 3rd-stage larvae of B. malayi are more sensitive than D. immitis antigens and do not have a significantly higher number of false positive reactions: Philippines

Immunity, Skin tests
Hammerberg, B.; Musoke, A. J.; and Williams, J. F., 1977, J. Parasitol., v. 63 (2), 327-331
Echinococcus granulosus, factors in hydatid fluid can initiate non-immunologic activation of complement in normal serum and production of anaphylatoxins, this mechanism may be involved in pathogenesis of hydatid fluid shock syndrome and may also contribute to development of non-specific reactivity in immunodiagnostic skin tests for hydatid infection

Immunity, Skin tests
Harris, W. G., 1973, Immunology, v. 24 (3), 567-577
Schistosoma mansoni allergens, initial separation into 10 fractions, comparative assay by passive cutaneous anaphylaxis, by systemic sensitization with local challenge, and most successfully by a Prausnitz-Kustner type reaction

Immunity, Skin tests
Harris, W. G., 1975, Immunology, v. 29 (5), 835-844
Schistosoma mansoni, allergens, further separation and characterization by Sephadex G-200 and ion-exchange chromatography, multicomponent nature of allergen-reagin axis in rat schistosomiasis, implications for use of purified antigens for field diagnosis of schistosomiasis

Immunity, Skin tests
Hayden, D. W.; and Van Kruiningen, H. J., 1975, Am. J. Vet. Res., v. 36 (11), 1605-1614
Toxocara canis, dogs (exper.), eosinophilic gastroenteritis, hematologic findings, serum proteins (β-globulin content as potential diagnostic tool), precipitating humoral antibodies, intradermal test, histopathology, comparison with naturally occurring disease

Immunity, Skin tests
Healey, M. C.; and Gaafar, S. M., 1977, Vet. Parasitol., v. 3 (2), 133-140
Demodex canis, dogs, immediate and delayed skin reactions to phytohemagglutinin and concanavalin A, suppression of delayed response suggests that dogs with demodicosis may have hypoactive cellular immune system, possible mechanism of immediate response

Immunity, Skin tests
Herbert, I. V.; and Oberg, C., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 199-211
Taenia solium, incidence in man in Chile, pigs (exper.), immunological responses, in vivo and in vitro manifestations, skin testing, passive cutaneous anaphylaxis, indirect haemagglutination, attempt to correlate with autopsy findings for possible serologic diagnosis, some results with T. hydatigena also

Immunity, Skin tests
Hogarth-Scott, R. S., 1967, Internat. Arch. Allergy and Applied Immunol., v. 32 (2), 201-207
Toxocara canis, T. cati, Toxascaris leonina, Ascaris suum, rabbits (exper.), presence of reagin-like antibodies demonstrable by homologous passive cutaneous anaphylaxis, responsible allergens were common to all 4 nematode species

Immunity, Skin tests
Hogarth-Scott, R. S., 1973, Immunology, v. 24 (3), 503-509
Nippostrongylus brasiliensis, rats, peripheral circulating allergens as cause of loss of homologous passive cutaneous anaphylaxis reactivity, reaction appeared to be immunologically specific

Immunity, Skin tests
Hogarth-Scott, R. S.; and Feery, B. J., 1976, Austral. J. Exper. Biol. and Med. Sc., v. 54 (4), 317-327
existence of cross-reacting antigens between Toxocara canis and Ascaris spp. and probably between T. canis and other nematodes confirmed by in vitro and in vivo tests, such cross-reactions compromise usefulness of skin tests in diagnosis

Immunity, Skin tests
Hoghooghi, N.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (4), 660-661
evaluation of the slide-latex agglutination test and comparison with Casoni intradermal test for sensitivity and specificity in diagnosis of human echinococcosis

Immunity, Skin tests
Ishizaki, T., 1972, Parassitologia, v. 14 (1), 15-24
Schistosoma japonicum antigens, skin tests in humans, analysis and reproducibility of reactions, development of criteria for positive reactions; threshold phenomena, mechanisms, correlation with histamine release: Yamanishi Prefecture

Immunity, Skin tests
Ishizaki, T., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 301-305
Schistosoma japonicum, humans, total IgE levels and specific IgE levels, correlation with skin test reaction, effect of niridazole treatment

Immunity, Skin tests
Janovski, N., 1975, Plucne Bolesti i Tuberk., v. 27 (4), 279-282
human echinococcal cysts of lung, value of skin test in diagnosis, prognosis in lung cysts not removed surgically

Immunity, Skin tests
Jarrett, E. E. E.; Orr, T. S. C.; and Riley, P., 1971, Clin. and Exper. Immunol., v. 9 (5), 585-594
inhibition of allergic reactions due to competition for mast cell sensitization sites by two reagins (egg albumin reagins and Nippostrongylus brasiliensis reagins), practical importance

Immunity, Skin tests
Jarrett, E. E. E.; and Stewart, D. C., 1973, Immunology, v. 24 (1), 37-45
Nippostrongylus brasiliensis, rats, no direct quantitative relationship between size of skin test reactions and level of specific circulating reaginic antibody

Immunity, Skin tests
Katamine, D., 1969, Nettai Igaku (Trop. Med.), v. 11 (1), 1-10
Wuchereria bancrofti in humans, skin test diagnosis using purified antigen (FPT) prepared from Dirofilaria immitis, useful for tool in mass diagnostic survey

Immunity, Skin tests
Katiyar, J. C.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 169-170 [Letter]
human filariasis, persons undergoing diethylcarbamazine therapy for Wuchereria bancrofti, interference with skin test reactions when W. bancrofti used as antigen, review of possible mechanisms

Immunity, Skin tests
Katz, S P.; and Colley, D. G., 1976, Infect. and Immun., v. 14 (2), 509-521
Schistosoma mansoni, mice, intradermal response against soluble cercarial antigenic preparation was sequentially mediated by early antibody response and late developing cellular response as demonstrated histologically and by passive transfer of serum and lymphoid cells

Immunity, Skin tests
Kim, C. W.; Fragola, A. C.; and Rega, R. J., 1977, J. Parasitol., v. 63 (6), 1133-1135
Trichinella spiralis, low dose of antigen in combination with Freund's complete adjuvant is effective in inducing and transferring delayed hypersensitivity in the guinea pig as manifested by skin test reactions, typical histopathology and absence of circulating antibody

Immunity, Skin tests
Kimura, S., 1975, Bull. Nippon Vet. and Zootech. Coll. (24), Dec., pp. 138-142
[Outline of thesis]
Fasciola [sp.], pathogenesis, clinical symptoms, and hematological changes in exper. infected cattle, goats, rabbits, and chickens; morphology in rabbits; intradermal reaction in cattle

Immunity, Skin tests
Klesius, P. H.; et al., 1977, Exper. Parasitol., v. 41 (2), 480-490
Eimeria bovis, cattle, evidence for cell-mediated immune response shown by delayed hypersensitivity skin tests and lymphocyte blastogenesis with antigens extracted from oocysts of E. bovis and E. stiedai, cross-reactivity between two species

Immunity, Skin tests
Klesius, P. H.; Kramer, T. T.; and Frandsen, J. C., 1976, Exper. Parasitol., v. 39 (1), 59-68
Eimeria stiedai, rabbits, detection of delayed hypersensitivity by skin testing with oocyst antigen extract, skin reactivity passively transferred with lymphocyte suspensions and cell-free transfer factor but not with serum from infected skin-reactive animals

Immunity, Skin tests
La Placa, M.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 396-398
partially purified protein and polysaccharide antigens obtained from Leishmania donovani, both fractions induce positive intradermal skin reaction, but only the protein fraction detects humoral antibody in complement fixation tests

Immunity, Skin tests
Lewert, R. M., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 171-175
Schistosoma japonicum, immunodiagnosis of human schistosomiasis, review

Immunity, Skin tests
Liston, A. J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 6 [Demonstration]
Trypanosoma cruzi, T. dionisii, T. vespertilionis, cell mediated immune responses in mice, some cross-reactivity of antigens but homologous responses stronger

Immunity, Skin tests
Lopez, O.; et al., 1968, Bol. Chileno Parasitol., v. 23 (1-2), 38-42
human hepatic echinococcosis, hepatic scintigraphy more accurate for diagnosis than customarily employed diagnostic procedures

Immunity, Skin tests
Machnicka-Roguska, B.; and Zwierz, C., 1970, Acta Parasitol. Polon., v. 17 (20-38), 293-299
Taenia saginata, rabbits, humans, intradermal tests, specificity enhanced by using antigenic fractions rather than full antigens

Immunity, Skin tests
Mahajan, R. C.; and Chitkara, N. L., 1975, Progr. Drug Research, v. 19, 75-80
human echinococcosis, diagnostic trials comparing the Casoni skin test, bentonite flocculation test (BFT), and indirect hemagglutination test (IHA); both BFT and IHA more sensitive and specific than the Casoni test and together serodiagnosis could be achieved with reasonable degree of certainty

Immunity, Skin tests
Mahajan, R. C.; Ganguly, N. K.; and Chitkara, N. L., 1976, Indian J. Med. Research, v. 64 (3), 405-409
comparative evaluation of immunodiagnostic techniques for human echinococcosis (fluorescent antibody test, indirect hemagglutination, intradermal Casoni test)

Immunity, Skin tests
Mansfield, J. M.; and Kreier, J. P., 1972, Infect. and Immun., v. 6 (1), 62-67
Trypanosoma congolense, rabbits (exper.), Arthus-type immediate hypersensitivity reactions demonstrated, no cell-mediated hypersensitivity reactions observed, role of immediate-type skin reaction in pathology of infection and possible use in diagnosis

Immunity, Skin tests
Matossian-Rogers, A.; Lumsden, W. H. R.; and Dumonde, D. C., 1976, Immunology, v. 31 (1), 1-19
Leishmania enriettii, L. tropica major, L. aethiopica, L. mexicana amazonensis, numerical immunotaxonomy, differentiation according to reactivity and cross-reactivity in tests of parasite agglutination, indirect immunofluorescence, and passive cutaneous anaphylaxis

Immunity, Skin tests
Neal, R. A.; and Miles, R. A., 1976, J. Trop. Med. and Hyg., v. 79 (2), 32-37
recommendations for use of various leishmanin antigens in field surveys and seroepidemiologic study based on guinea pig reactions to Leishmania enrietti

Immunity, Skin tests
Ortiz-Ortiz, L.; et al., 1975, Clin. Immunol. and Immunopathol., v. 4 (1), 127-134
patients with amebic abscess of liver, diminished cell-mediated immunity to Entamoeba histolytica antigens when tested by skin tests and for migration-inhibition factor production, skin reactions to unrelated antigen were normal, 10 days after hospital discharge cell-mediated immune responses to E. histolytica antigen were normal, antibodies were present in sera at all stages

Immunity, Skin tests
Ourth, D. D.; Lunde, M. N.; and Watson, R. R., 1976, Ztschr. Immunitaetsforsch., v. 151 (3), 254-262
Toxoplasma gondii, guinea pigs, demonstration of delayed hypersensitivity by macrophage migration inhibition, skin-testing, and lymphocyte transformation

Immunity, Skin tests
Pampiglione, S.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (6), 447-453
Leishmania donovani, serologic screening of population during outbreak of visceral leishmaniasis showed 6 persons with high complement fixing and positive skin tests for leishmanin without clinical symptoms: Northern Italy

Immunity, Skin tests
Pampiglione, S.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 60-68
Leishmania donovani, statistics of leishmanin skin test survey of old endemic focus and new outbreak area of human Mediterranean leishmaniasis, useful tool for epidemiologic studies: Italy

Immunity, Skin tests
Pampiglione, S.; et al., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 62-65
human cutaneous leishmaniasis, leishmanin skin test epidemiologic survey of old endemic areas, statistics, no cross-reactions with tuberculin tests: Italian Adriatic coast

Immunity, Skin tests
Perper, R. J.; Sanda, M.; and Lichtenstein, L. M., 1972, Internat. Arch. Allergy and Applied Immunol., v. 43 (6), 837-844
Ascaris suum, rhesus monkeys, inhibition of dermal allergic reaction by cAMP active agents

Immunity, Skin tests
Rickard, M. D.; and Katiyar, J. C., 1976, Parasitology, v. 72 (3), 269-279
Taenia pisiformis, partial purification of antigens collected during in vitro cultivation, differential performance in intradermal skin test and rabbit immunization tests suggests that protective antigens and those provoking cell-mediated reactions may be different ones

Immunity, Skin tests
Rifaat, M. A.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 118-120
Toxoplasma gondii, immunoserological survey for toxoplasmosis conducted by randomly sampling the populations of governorates in Egypt

Immunity, Skin tests
Roberts, C. O.; Chaparas, S. D.; and McLaughlin, D., 1976, Tr. Am. Micr. Soc., v. 95 (3), 470-482
Toxoplasma gondii, plaque assay technique used to (1) select best tissue culture system for studying progress of infection, (2) assess effect of drugs and antibiotics, (3) observe effect of immune sera on tissue culture infection, and (4) investigate cellular hypersensitivity by in vivo and in vitro systems

Immunity, Skin tests
Rose, M. E., 1977, Exper. Parasitol., v. 42 (1), 129-141
Eimeria tenella, chickens injected in wattle with different antigens, skin hypersensitivity measured at intervals throughout immunization by infection and also after injection of antigens in Freund's complete adjuvant, attempted transfer of skin hypersensitivity with serum or cells, correlation of skin hypersensitivity with in vitro tests

Immunity, Skin tests
Rothwell, T. L. W.; and Huxtable, C. R., 1976, Austral. J. Exper. Biol. and Med. Sc., v. 54 (4), 329-335
Trichostrongylus colubriformis, guinea pigs, basophil leucocytes in cutaneous hypersensitivity reactions

Immunity, Skin tests
Ruiz-Tiben, E.; Cox, P. M.; and Greenberg, E. R., 1973, Ann. Trop. Med. and Parasitol., v. 67 (3), 341-348
Schistosoma mansoni, human, skin test interpretation, derivation of simplified objective criteria based upon frequency distributions of antigen and control wheal sizes by age and sex: Puerto Rico

Immunity, Skin tests
Sadun, E. H.; Williams, J. S.; and Gore, R. W., 1973, Isotopes and Radiation Parasitol. III, 73-90
Schistosoma mansoni, S. haematobium, Trichinella spiralis, development of radioactive antigen microprecipitin assay (RAMP), comparison with soluble antigen fluorescent antibody and passive cutaneous anaphylaxis tests, results indicate RAMP measures antibody primarily of I_gE class

Immunity, Skin tests
Sagua, H.; et al., 1972, Bol. Chileno Parasitol., v. 27 (1-2), 58-60
eosinophilia, intradermal, ring precipitation and bentonite flocculation tests, comparison of results in persons at time of Trichinella spiralis infection and 8 1/2 years after infection

Immunity, Skin tests
Sawada, T.; et al., 1975, Progr. Drug Research, v. 19, 128-135
human filariasis, diagnosis using Dirofilaria immitis adult worm antigen for skin tests, purification of antigen

Immunity, Skin tests
Sawada, T.; Sato, K.; and Takei, K., 1975, Progr. Drug Research, v. 19, 119-127
Schistosoma japonicum, purification of antigen from adult worms for use in intradermal diagnostic skin tests

Immunity, Skin tests
Schenone, H.; et al., 1969, Bol. Chileno Parasitol., v. 24 (3-4), 118-121
Trichinella spiralis, human, skin test and bentonite flocculation test, surveys show progressive decline in infection: Santiago, Chile

Immunity, Skin tests
Schenone, H.; et al., 1976, Bol. Chileno Parasitol., v. 31 (3-4), 62-67
echinococcosis, comparison of sensitivity and specificity of the hemagglutination and Casoni skin tests in trials using known infected persons and controls, both tests reasonably useful

Immunity, Skin tests
Schnur, L. F., 1976, Parasitology, v. 73 (2), ix-x [Abstract]
leishmaniasis, diagnosis, leishmanial excreted factors as skin test reagents

Immunity, Skin tests
Senft, A. W.; and Maddison, S. E., 1975, Am. J. Trop. Med. and Hyg., v. 24 (1), 83-89
proteolytic enzyme of Schistosoma mansoni induced histaminic skin reactions in laboratory animals without cross reactions from other Schistosoma spp., preliminary skin test trials in humans suggest value as diagnostic test for schistosomiasis

Immunity, Skin tests
Shaw, J. J.; and Lainson, R., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 168-169 [Letter]
human cutaneous leishmaniasis, immediate specific intradermal reaction with in vitro exo-antigen used for skin test, comparative trials with Trypanosoma cruzi antigens

Immunity, Skin tests
Shaw, J. J.; Lainson, R.; and Minter, D. M., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (3), 258
Trypanosoma cruzi, leishmaniasis in humans, comparison of skin test reactions

Immunity, Skin tests
Sheahan, B. J., 1975, J. Comp. Path., v. 85 (1), 97-110
Sarcoptes scabiei, iron-treated vs. iron-deprived pigs (exper.), histological, histochemical, and ultrastructural changes at skin sites, immediate and delayed hypersensitivity reactions

Immunity, Skin tests
Signorello, G., 1973, Minerva Med., v. 64 (52), 2736-2740
Ascaris lumbricoides in children resulting in cutaneous allergic reactions, skin test diagnosis, frequent mixed infections with Trichuris trichiura also diagnosed

Immunity, Skin tests
Singh, D. K.; Jagdish, S.; and Gautam, O. P., 1977, Research Vet. Sc., v. 23 (3), 391-392
Theileria annulata, cattle, cell-mediated immunity demonstrated using leucocyte migration inhibition test and delayed skin hypersensitivity reaction

Immunity, Skin tests
Soennichsen, N.; and Barthelmes, H., 1976, Ang. Parasitol., v. 17 (2), 65-70
scabies, human, epidemiology, skin tests, cross reactions between Notoedres alepis and Sarcoptes scabiei, diagnostic value of tests

Immunity, Skin tests
Szekely, R., 1972, Bol. Chileno Parasitol., v. 27 (3-4), 108-114
application of intradermal skin tests to diagnose human parasites, advantages and limitations, review of techniques

Immunity, Skin tests
Tchoulamjan, A.; et al., 1977, Prensa Med. Argent., v. 64 (5), 125-138
schistosomiasis, epidemiologic survey of skin-test positive persons in non-endemic area to assess possible infection spread resulting from hydroelectric dam construction projects in neighboring endemic areas: Misiones, Argentine Republic

Immunity, Skin tests
Teixeira, A. R. L.; and Santos-Buch, C. A., 1975, Immunology, v. 28 (3), 401-410
Trypanosoma cruzi, rabbits, strong delayed hypersensitivity skin reactions to 2 subcellular fractions from homogenates of suspensions of trypomastigote and amastigote forms, immediate reactions also seen, cell-mediated immunity assayed by experiments which established passive transfer, inhibition of blood mononuclear cell migration, and blast transformation by sensitized lymphocytes

Immunity, Skin tests
Todorov, T.; et al., 1976, Bull. World Health Organ., v. 53 (4), 407-415
human echinococcosis, persistence of antibodies after surgical treatment, use in evaluation of surgical results and prognosis

Immunity, Skin tests
Torisu, M.; et al., 1975, Clin. Immunol. and Immunopathol., v. 4 (4), 467-477
Ascaris lumbricoides, patients with worm migration into biliary tree, skin tests, complement fixation, hemagglutination tests, immunoglobulin levels, pre- and post-surgical results, significant preoperative rise in IgE appears to be dependent on Ascaris infection, purified Ascaris antigen has high chemotactic effect on eosinophils

Immunity, Skin tests
Valkoun, A.; and Jira, J., 1977, J. Protozool., v. 24 (2), Suppl., 16A-17A [Abstract]
Toxoplasma gondii, purified antigen for skin test

Immunity, Skin tests
Varela-Diaz, V. M.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (4), 617-622
latex agglutination test is technique of choice for field surveys and seroepidemiologic studies of human Echinococcus granulosus, comparative evaluation of indirect agglutination test, immunoelectrophoresis and Casoni skin test

Immunity, Skin tests
Vernes, A.; et al., 1972, Path. Biol., v. 20 (1-2), 23-29
fascioliasis, schistosomiasis, determination of delayed hypersensitivity reactions in guinea pigs (exper.) using the macrophage migration inhibition test and intradermal skin tests; preliminary investigations of human schistosomiasis gave similar reactions

Immunity, Skin tests
Vernes, A.; et al., 1973, Path. Biol., v. 21 (10), 1073-1078
Schistosoma mansoni and S. haematobium in humans, correlations between macrophage migration test, intradermal tests and a macrophage spreading inhibition test for determination of cell-mediated immune reactions

Immunity, Skin tests
Vinayak, V. K.; Singh, T.; and Naik, S. R., 1977, Indian J. Med. Research, v. 66 (5), 737-744
human ancylostomiasis, intradermal skin test using Ancylostoma duodenale larval antigen, useful and rapid screening method for epidemiologic surveys, also recommended as adjunct to fecal examination in individual case diagnosis

Immunity, Skin tests
Waller, T., 1977, Lab. Animals, v. 11 (2), 93-97
Encephalitozoon cuniculi, rabbits, rapid diagnosis by india-ink immunoreaction, comparison with indirect fluorescent antibody and skin hypersensitivity tests

Immunity, Skin tests
Weisbroth, S. H.; Wang, R.; and Scher, S., 1973, Lab. Animal Sc., v. 23 (2), 241-247
Cuterebra buccata, natural infections of laboratory Oryctolagus cuniculus, gross and microscopic aspects of skin lesions, immediate and delayed hypersensitivity reactions to skin tests, detection of circulating precipitins by immunodiffusion tests

Immunity, Skin tests
Willadsen, P.; and Williams, P. G., 1976, Immunochemistry, v. 13 (7), 591-597
Boophilus microplus larvae, isolation of antigen which produces immediate hypersensitivity reaction in naturally infected cattle, characterized as esterase with molecular weight of approximately 60,000

Immunity, Skin tests
Williams, J. F.; Perez Esandi, M. V.; and Oriol, R., 1971, Am. J. Trop. Med. and Hyg., v. 20 (4), 575-579
evaluation of purified lipoprotein antigens of Echinococcus granulosus in the immunodiagnosis of human infection using hemagglutination, immunoelectrophoresis and skin tests

Immunity, Skin tests
Wong, H. S. W.; Embil, J. A.; and Ozere, R. L., 1976, Exper. Parasitol., v. 40 (3), 421-426
Ascaris suum, Toxocara canis, guinea pigs sensitized with egg extract antigens, dermal reactivity, macrophage migration inhibition test, and lymphocyte transformation using homologous and heterologous antigens

Immunity, Skin tests
Wosu, N. J.; et al., 1977, Lab. Animal Sc., v. 27 (2), 210-216
Encephalitozoon cuniculi, rabbits (exper.), diagnosis by immunofluorescence and intradermal test, no cross reactions between E. cuniculi and experimentally induced Toxoplasma gondii, Eimeria perforans, or E. stiedai

Immunity, Skin tests
Zapart, W.; Slusarski, W.; and Ptasinski, J., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 223-229
human cerebral cysticercosis and echinococcosis, skin testing as valuable adjunct in diagnosis, antigens used were acid soluble protein fractions of Taenia solium proglottids, T. solium cysts, and Echinococcus granulosus protoscolices

Immunity, Skin tests
Zeledon, R.; and Ponce, C., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (5), 414-415 [Letter]
human chronic Chagas disease, immediate skin test reaction using soluble protein antigen from parasites grown in culture, cross-reaction from cutaneous leishmaniasis differentiated by Montenegro test

Immunity, Vaccination. See Immunization.

Immunization. [See also Immunity, Passive]

Immunization
Adams, A. C.; John, D. T.; and Bradley, S. G., 1976, Infect. and Immun., v. 13 (5), 1387-1391
Naegleria fowleri, mice (exper.), course of disease dependent upon infecting dose, no significant modification of resistance by bacterial endotoxin or other test substances, high resistance to challenge in mice that survived primary infection

Immunization
Ajayi, J. A.; and Todd, A. C., 1973, Am. J. Vet. Research, v. 34 (3), 449-450
Haemonchus contortus, populations of differing pathogeniticy used to premunize and challenge sheep, ability to distinguish 2 worm populations in sheep exposed to both by separation in curve of distribution frequencies of parasite lengths

Immunization
Alger, N. E.; and Harant, J., 1976, Exper. Parasitol., v. 40 (2), 261-268
Plasmodium berghei, mice, vaccination, heat-treated sporozoites administered iv; attempted adoptive transfer of immunity; preliminary sporozoite fractionation studies

Immunization
Alger, N. E.; and Harant, J., 1976, Exper. Parasitol., v. 40 (2), 269-272
Plasmodium berghei, mice immunized by repeated ip injections of normal mosquito salivary glands or heads were protected from ip sporozoite challenge but not from iv sporozoite challenge, suggested that hypersensitive Type 1 reaction may explain part of this protection

Immunization
Alger, N. E.; and Harant, J., 1976, Exper. Parasitol., v. 40 (2), 273-280
Plasmodium berghei, mice, concluded that hypersensitivity may possibly be at least partly responsible for protection by injections of 70 mosquito salivary glands but that sporozoite immunity is not primarily due to hypersensitivity

Immunization
Alger, N. E.; and Harant, J., 1976, Science Biol. J., v. 2 (3), 89-103
Plasmodium berghei, mice, vaccination, comparison of x-irradiated, heat-treated, or formalin-treated sporozoites administered intravenously, intraperitoneally, intracutaneously, or intramuscularly, some groups given BCG, sodium alginate, or Freund's complete adjuvant

Immunization
Alger, N. E.; and Harant, J., 1976, Science Biol. J., v. 2 (3), 104-110
Plasmodium berghei, mice, vaccination, frozen-thawed sporozoites given IP or IV, comparison with lyophilized, heated, and formalin-treated sporozoites

Immunization
Aminzhanov, M., 1977, Uzbek Biol. Zhurnal (2), 57-59
Echinococcus granulosus, dogs immunized with irradiated scolices and cyst fluid, delayed development of parasite in intestine

Immunization
Anderson, W. I.; et al., 1977, Avian Dis., v. 21 (4), 637-641
Eimeria tenella, development of immunity in chicks experimentally infected with infectious bursal disease virus at various times before and during coccidial challenge, results indicate viral infection prior to or concurrent with Eimeria tenella immunization significantly reduced immune protection

Immunization
Andreassen, J.; Hindsbo, O.; and Ruitenberg, J., 1976, Parasitology, v. 73 (2), xxx-xxxi [Abstract]
Hymenolepis diminuta in congenitally athymic nude mice, primary immune response is not only thymus-dependent but dose-dependent, failure to show challenge responses may be because immunization doses were too low

Immunization
Antunes, C. M. F.; et al., 1974, Ann. Trop. Med. and Parasitol., v. 68 (2), 237-238
Schistosoma mansoni, unsuccessful attempt to obtain infertile live worms in mice (by using nicarbazin in a long therapeutic schedule) to act as 'living vaccine'

Immunization
Arias, J. R.; Menezes, H.; and de Freitas, R. A., 1976, Acta Amazonica, v. 6 (4), 483-485
Leishmania sp., 2 strains, golden hamsters immunized with anti-Chagas "PF" vaccine (Trypanosoma cruzi after 400 passages), no significant reduction of infection

Immunization
Bajwa, R. S.; and Gill, B. S., 1977, Ann. Recherches Vet., v. 8 (2), 181-186
Eimeria tenella, progeny of irradiated oocysts, sporulation rate, pathogenicity, immunogenicity, reproductive potential, concluded that radiation effects are not transmissible to progeny

Immunization
Bajwa, R. S.; and Gill, B. S., 1977, Indian J. Animal Sc., v. 47 (3), 126-130
Eimeria tenella, chickens, amprolium in drinking water, development of immunity; treatment more effective with lighter infections, immunization more successful with heavier infections

Immunization
Bannister, L. H., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 275-276
Plasmodium spp., structural aspects relevant to, and prospects of, vaccination against human malarias, symposium presentation

Immunization
Barker, L. R., 1971, Tr. Roy. Soc. Trop. Med. and Hyg., v. 65 (5), 586-590
Plasmodium berghei yoelii, mice, primary infection, antibody synthesis and protection persisted at least 17 months, cross-protection against virulent isolate of parent strain but not against P. berghei berghei, not possible to detect persisting antigen or persisting infectious organisms in immune mice

Immunization
Beaudoin, R. L.; et al., 1976, Exper. Parasitol., v. 39 (3), 438-443
Plasmodium berghei berghei ANKA strain, mice, immunization with irradiated sporozoites protected against challenge with sporozoites but not with erythrocytic stages, immunization of mice with extracts of Anopheles stephensi thorax failed to protect them, mosquito antigens apparently not responsible for protective immunity

Immunization
Beaudoin, R. L.; et al., 1977, Exper. Parasitol., v. 42 (1), 1-5
Plasmodium berghei, mice, immunization against ANKA strain using unaltered sporozoite as antigen, suppressive doses of chloroquine throughout immunization period with curative courses of primaquine prior to challenge, all mice survived sporozoite challenge but succumbed to challenge with infected erythrocytes

Immunization
Bedell, D. M.; et al., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 91-92
neonatal isoerythrolysis not observed in calves from 12 Angus cows vaccinated with Anaplaz

Immunization
Behnke, J. M.; and Wakelin, D., 1977, J. Helminthol., v. 51 (3), 167-175
Nematospiroides dubius, stimulation of acquired immunity in inbred strains of mice

Immunization
Benitez-Usher, C.; et al., 1977, Vet. Parasitol., v. 3 (4), 327-342
Haemonchus contortus, Scottish Blackface lambs, immunization with gamma-irradiated larvae, roles of host age, size of immunizing dose, previous exposure to infection, and anthelmintic (thiabendazole) therapy

Immunization
Benitez-Usher, C.; Armour, J.; and Urquhart, G. M., 1976, Vet. Parasitol., v. 2 (2), 209-222
Dictyocaulus viviparus, young calves, efficacy of immunization with Dictol below commercial recommendation of 8 weeks of age, concluded that it may be practical to vaccinate milk-fed and suckling calves from 3-4 weeks of age

Immunization
Bishop, J. P.; and Kuttler, K. L., 1974, J. Protozool., v. 21 (5), 758-760
Babesia rodhaini, effect of irradiation on infectivity dependent upon irradiation dose, development of acquired resistance after inoculation of irradiated parasitized blood, mice

Immunization
Bitakaramire, P. K., 1973, Isotopes and Radiation Parasitol. III, 23-32
Fasciola gigantica, calves, immunization with gamma-irradiated metacercariae, pathology, albumin and iron turnover in vaccinated vs. non-vaccinated groups

Immunization
Boese, J. L., 1974, J. Med. Entom., v. 11 (5), 503-512
Haemaphysalis leporispalustris, rabbits (exper.), progressive development of host resistance with repeated nymphal infestations depends on frequency rather than intensity of infestations, homocytotropic antibody found in sera of immune rabbits

Immunization
Bordjochki, A.; Savin, Z.; and Sovitsch, M., 1977, Bull. Acad. Vet. France, v. 50 (1), 71-74
Sarcocystis tenella spores, partial or total loss of antigenic properties when heated at various temperatures (60°-90°C), guinea pigs immunized and then tested by complement fixation

Immunization
Bout, D.; et al., 1977, J. Immunol. Methods, v. 15 (1), 1-8
S[chistosoma] mansoni, schistosomicide drugs used as ligands to isolate target antigens by affinity chromatography, to characterize their enzyme functions and localization on the parasite, and to define their immunogenic capacity

Immunization
Bray, R. S., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (3), 258
Plasmodium falciparum in humans, attempted vaccination with irradiated sporozoites unsuccessful

Immunization
Brocklesby, D. W.; Harradine, D. L.; and Young, E. R., 1976, Research Vet. Sc., v. 21 (3), 300-302
Babesia major infected calves not protected against B. divergens; B. divergens infections provide good protection against B. major; B. divergens might be dominant species where both occur

Immunization
Brown, A. R.; Crandall, C. A.; and Crandall, R. B., 1977, J. Parasitol., v. 63 (5), 950-952
Ascaris suum in mice with X-linked B lymphocyte defect, immune response and acquired resistance

Immunization
Brown, C. G. D.; et al., 1977, Tropenmed. u. Parasitol., v. 28 (3), 342-348
Theileria parva, immunization of cattle against East Coast fever by inoculation of a tick-derived (Rhipicephalus appendiculatus) stabilate of T. parva infective particles and the intramuscular injection at daily intervals of N-pyrrolidinomethyl tetracycline

Immunization
Brown, K. N., 1977, Advances Exper. Med. and Biol., v. 93, 5-25
antigenic variation in malaria, review: Plasmodium knowlesi, schizont-infected cell agglutination test, protective variant-specific antibodies, induction of antigenic variation, antigenic variation and the cell cycle, antigenic variation and red cell penetration, variant-specific antibody synthesis and protective immunity; Plasmodium berghei, lymphocyte subpopulations and immunity transcending antigenic variation; gametocytes, antigenic variation, and protection; antigenic variation and immunization against malaria

Immunization
Buening, G. M., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 71-76
Anaplasma marginale, calves (intact, splenectomized, vaccinated, unvaccinated), comparison of results in leukocyte migration inhibition test, complement fixation test, and intradermic skin tests

Immunization
Bussieras, J., 1976, Rec. Med. Vet., v. 152 (3), 219-222
strongyloses of swine, immunological phenomena, clinical manifestations, applications in diagnosis, prophylaxis and treatment, review

Immunization
Butcher, G. A.; and Richards, W. H. G., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 277-278
Plasmodium falciparum, present status of culture methods needed to produce a human malaria vaccine, symposium presentation

Immunization
Cabrera, E. J.; et al., 1976, Ztschr. Parasitenk., v. 50 (1), 31-42
Plasmodium knowlesi, monkeys immunized by antigen from infected erythrocytes, delayed dermal hypersensitivity response, protection against challenge infection; preliminary biochemical analysis of antigen

Immunization
Cabrera, E. J.; Barr, M. L.; and Silverman, P. H., 1977, Infect. and Immun., v. 15 (2), 461-465
Plasmodium knowlesi-vaccinated Macaca mulatta, protection against challenge with heterologous strain present even 4 years after immunization schedule had been completed

Immunization
Callow, L. L., 1976, World Animal Rev. (18), 9-15
Anaplasma centrale, Babesia argentina, B. bigemina, cattle, factors in transmission by Boophilus microplus, immunization with strains from splenectomized calves, review: Australia

Immunization
Callow, L. L., 1977, Advances Exper. Med. and Biol., v. 93, 121-149
bovine babesiosis, vaccination, review: biology of Babesia of cattle (taxonomy and distribution, life cycle and transmission by ticks, pathological effects, immunology); need for vaccination (epizootic spread, cattle imported to enzootic area, enzootic instability); approaches to vaccination (premunition, surveillance and treatment, chemoprophylaxis, stimulation of nonspecific immunity, experimental approaches to antigen production); vaccination against B. argentina (= bovis) in Australia; vaccination against B. bigemina; future requirements and developments

Immunization
Callow, L. L.; Quiroga, Q. C.; and McCosker, P. J., 1976, Internat. J. Parasitol., v. 6 (4), 307-310
Babesia argentina, Anaplasma marginale, comparison of strains of each from Australia vs. Bolivia with indirect fluorescent antibody test showed serological identity of the two strains of each parasite, implications for vaccination; since earlier study showed serological identity between B. bovis and B. argentina, the small Babesia of Australia and South America should by priority be called B. bovis

Immunization
Campbell, N. J.; et al., 1977, Internat. J. Parasitol., v. 7 (5), 347-351
Fasciola hepatica, stimulation of resistance in sheep by infection with Cysticercus tenuicollis

Immunization
Capbern, A.; el al., 1977, Exper. Parasitol., v. 43 (1), 1-11
Trypanosoma equiperdum, multiplication in diffusion chambers implanted subcutaneously in the dorsal region of mice, effect of immunosuppressants, of immune serum, of temperature, of acquired immunity

Immunization
Carson, C. A.; Sells, D. M.; and Ristic, M., 1976, Am. J. Vet. Research, v. 37 (9), 1059-1063
Anaplasma marginale, effect of blood group substances vs. parasitic components on induction of delayed cutaneous hypersensitivity and production of isoagglutinins in cattle injected with live or inactivated parasites in ovine or bovine erythrocytes, results indicate that inactivated sheep origin vaccine may avoid eliciting neonatal isoerythrolysis syndrome in calves from vaccinated dams

Immunization
Carson, C. A.; Sells, D. M.; and Ristic, M., 1976, Vet. Parasitol., v. 2 (1), 75-81
Anaplasma marginale, cattle, cell-mediated immunity and correlation with protection induced by vaccination, review

Immunization
Carson, C. A.; Sells, D. M.; and Ristic, M., 1977, Am. J. Vet. Research, v. 38 (2), 173-179
Anaplasma marginale, cell-mediated immune response in cattle given virulent, attenuated and inactivated preparations, measured by leukocyte migration-inhibition test and lymphocyte transformation of blood leukocytes

Immunization
Carson, C. A.; Sells, D. M.; and Ristic, M., 1977, Am. J. Vet. Research, v. 38 (8), 1167-1172
Anaplasma marginale, cows (exper.), cell-mediated immunity and severity of clinical symptoms in response to challenge infection after inoculation with virulent, live attenuated, or killed A. marginale, effect of chemosterilization on residual immunity

Immunization
Carter, R.; and Chen, D. H., 1976, Nature, London (5572), v. 263, 57-60
vaccination of chickens with Plasmodium gallinaceum gametes reduced infectivity of malarious chickens for Aedes aegypti at least 99.9% below control levels

Immunization
Casarosa, L.; et al., 1976, Ann. Fac. Med. Vet., Univ. Pisa, v. 28, 1975, 71-77
Dictyocaulus filaria, third stage larvae, sensitized with immune sera, in vitro adherence reaction with eosinophils and pyroninophil cells from guinea pigs immunized with D. filaria somatic metabolic antigen

Immunization
Casarosa, L.; Lugetti, G.; and Marconcini, A., 1973, Isotopes and Radiation Parasitol. III, 113-126
Ascaris suum, guinea pigs vaccinated and then subjected to whole-body irradiation, enteric wall reactivity against challenge, relationship to in vitro adherence reaction

Immunization
Casarosa, L.; Lugetti, G.; and Marconcini, A., 1974, Ann. Fac. Med. Vet. Pisa, v. 26, 1973, 385-401
Ascaris suum-vaccinated guinea pigs, total body x-irradiation and challenge infection, enteric wall reactivity, globule leukocytes, immunoglobulin-containing cells; globule leukocytes depleted in challenged hosts; higher number of fluorescing mature plasma cells in lamina propria of vaccinated animals

Immunization
Cena, H., 1976, Vet. Arhiv, Zagreb, v. 46 (7-8), 207-214
Taenia saginata, calves (exper.), changes in plasma proteins modified by previous immunization

Immunization
Chaicumpa, S.; et al., 1977, Austral, J. Exper. Biol. and Med. Sc., v. 55 (4), 393-400
Nematospiroides dubius, mice, immunization with live third-stage larvae given orally, intravenously, intraperitoneally, or subcutaneously

Immunization
Chapman, H. D., 1974, Research Vet. Sc., v. 16 (1), 7-11
course of mixed coccidial infection acquired by lambs born at pasture, immunity to challenge following this natural infection and following artificial infection (with primarily Eimeria ninakohlyakimovae), betamethasone administration caused increases in oocyst output

Immunization
Chen, D. H.; Tigelaar, R. E.; and Weinbaum, F. I., 1977, J. Immunol., v. 118 (4), 1322-1327
Plasmodium berghei, immunization of T and B cell-deficient mice with x-irradiated sporozoites, results demonstrate preeminent role for T cells in induction of protective immunity against sporozoite infection

Immunization
Christie, E.; and Dubey, J. P., 1977, Infect. and Immun., v. 18 (2), 412-415
cross-immunity between Toxoplasma gondii and 6 strains of Hammondia hammondi in mice and hamsters

Immunization
Clyde, D. F.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 397-401
immunization of man against sporozoite-induced Plasmodium falciparum and P. vivax by inoculation with X-irradiated attenuated sporozoites administered by mosquito bite, species specificity of antigen and antibody, no increase in levels of immunoglobulins G and M

Immunization
Cohen, S., 1976, Ztschr. Immunitaetsforsch., v. 152 (2), 80-81 [Abstract]
P[lasmodium] knowlesi, successful vaccination of rhesus monkeys

Immunization
Cohen, S., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 283-286
malarial immunity, differences in immune mechanisms induced by malarial infection vs. merozoite vaccination, symposium presentation

Immunization
Cohen, S.; Butcher, G. A.; and Mitchell, G.H., 1977, Advances Exper. Med. and Biol., v. 93, 89-112
immunization against erythrocytic forms of malaria parasites, review: malaria life cycle; innate and acquired resistance to malaria (specific malarial antibody, protective malarial antibody, synergistic action of malarial antibody and cells, role of specific cell-mediated immunity in malaria, isolation and properties of merozoites); vaccination against erythrocytic forms of malaria (vaccination and challenge using undefined and defined variants of Plasmodium knowlesi, adjuvant requirement for successful vaccination)

Immunization
Colley, D. G.; Savage, A. M.; and Lewis, F. A., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 88-95
Schistosoma mansoni, host responses induced and elicited by cercariae, schistosomula, and cercarial antigenic preparations, workshop report

Immunization
Collins, W. E.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 373-376
Plasmodium knowlesi in Macaca mulatta (exper.), attempted immunization using heat-stable serum-soluble antigens, protection incomplete but with fewer deaths and reduced maximum parasitemia than in nonimmunized or Freund's adjuvant-immunized monkeys

Immunization
Coman, B. J.; and Rickard, M. D., 1977, Internat. J. Parasitol., v. 7 (1), 15-20
Taenia pisiformis eggs, ageing process, 4 stages with varying ability to hatch and to infect and develop in rabbits, comparison of in vitro and in vivo estimates of viability, failure of 'senescent' eggs to produce immunity to challenge infection

Immunization
Conder, G. A.; and Duszynski, D. W., 1977, J. Parasitol., v. 63 (2), 206-209
Eimeria nieschulzi, oocysts exposed to heat and/or Co-60 gamma-radiation, attenuation, reduced pathogenesis, subsequent immunity to challenge, rats

Immunization
Cox, A. B.; Duncan S.; and Levy, C. K., 1977, J. Parasitol., v. 63 (5), 927-929
Eimeria falciformis, effects of cobalt irradiation on infectivity and immunogenicity of sporulated oocysts, mice

Immunization
Crum, E. D.; Despommier, D. D.; and McGregor, D. D., 1977, Immunology, v. 33 (6), 787-795
Trichinella spiralis, rats, immunization by series of methyridine-terminated oral infections with larvae, thoracic duct lymphocytes from immunized animals can protect normal rats against challenge, protective cells belong to 2 different populations, immune serum and lymph fail to transfer resistance

Immunization
Cunningham, M. P., 1977, Advances Exper. Med. and Biol., v. 93, 189-207
Theileria parva, cattle, immunization, review: stabilates, tissue culture, investigation of quantum of infection hypothesis, irradiation of protozoites harvested from ticks, infection and treatment with drugs in tetracycline series, duration of immunity, cross-immunity, field trials

Immunization
Cunningham, M. P.; et al., 1973, Isotopes and Radiation Parasitol. III, 145-154
Theileria parva harvested from infected Rhipicephalus appendiculatus, relationship between number of infective particles inoculated into cattle and severity of ensuing infection; effects of irradiation at various doses on suspensions of infective particles of high or low concentration subsequently inoculated into cattle

Immunization
Cunningham, M. P.; et al., 1973, J. Protozool., v. 20 (2), 298-300
Theileria parva infective particles harvested from Rhipicephalus appendiculatus using an in vitro feeding technique and subjected to cobalt irradiation, increasing doses of irradiation destroyed increasing numbers of IP's, no evidence that IP's which survived were attenuated, appears unlikely that vaccination against East Coast fever could be achieved using these methods

Immunization
Cypess, R. H.; and Zidian, J. L., 1975, J. Parasitol., v. 61 (5), 819-824
Heligmosomoides polygyrus, development of self-cure and/or protection, influence of host genetic background (several inbred and outbred mouse strains) and various experimental conditions (route, dose, larval preparation)

Immunization
Dalgliesh, R. J.; and Stewart, N. P., 1976, Austral. Vet. J., v. 52 (11), 543 [Letter]
Babesia bovis, development of infective forms in unfed Boophilus microplus larvae, various temperature conditions, possible use for vaccine

Immunization
Damian, R. T.; Greene, N. D.; and Meyer, K. F., 1976, Am. J. Trop. Med. and Hyg., v. 25 (2), 355-357
Schistosoma mansoni Kenyan strain, efficacy as immunizing agent demonstrated in Macaca mulatta, confirms that earlier observations on slow manifestation of immunity in Papio cynocephalus are real and not due to some peculiarity in this strain of S. mansoni

Immunization
Dargie, J. D.; et al., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 249-271
Fasciola hepatica, rats, cattle, sheep, active immunization, passive transfer of immunity by cells and serum, pathogenetic mechanisms underlying development of hepatic fibrosis

Immunization
Dargie, J. D.; et al., 1977, J. Helminthol., v. 51 (4), 347-357
Schistosoma mattheei, sheep, immunization against virulent strain attenuated by hamster passage, body weights, haematological and biochemical observations, pathophysiological data, clinical observations, parasitological data, gross pathology, histopathology

Immunization
De Rosa, F.; et al., 1972, Parassitologia, v. 14 (2-3), 275-286
echinococcosis, secondary peritoneal hydatidosis in experimental mice, antigen vaccination; inoculation with scolices, quantitative studies, various factors in receptivity

Immunization
Desowitz, R. S., 1971, Science (3988), v. 172, 1151-1152
Plasmodium berghei, immunization (with nonliving antigen) of young white rats born of immune mothers, significantly higher level of immunity than unvaccinated littermates or vaccinated rats born of normal nonimmune mothers

Immunization
Despommier, D. D.; Campbell, W. C.; and Blair, L. S., 1977, Parasitology, v. 74 (1), 109-119
Trichinella spiralis, correlation of in vitro adult worm fecundity with recoverable muscle larvae in immunized and non-immunized rats; in vitro fecundity of individual adult female worms recovered from non-immunized mice; effects of a high vs. a low dose of antigen on adult counts, adult fecundity, and number of recoverable muscle larvae in mice

Immunization
Dineen, J. K.; et al., 1977, Internat. J. Parasitol., v. 7 (3), 211-215
Trichostrongylus colubriformis-vaccinated sheep, high level of protection against single-species homologous challenge, lowered level of protection against single-species challenge with T. vitrinus, no protection against single-species challenge with Nematodirus spathiger, high level of protection against all 3 species to simultaneous challenge with all 3 species, latter suggests that terminal effectors of resistance are immunologically non-specific

Immunization
Dorchies, P., 1975, Rev. Med. Vet. Toulouse, v. 126 (10), 1237-1248
helminthiasis, delayed and immediate hypersensitivity, immunological tolerance, epidemiological and pathological aspects, application to diagnosis and immunization, review

Immunization
Dragneva, N., 1972, Izvest. Tsentral. Khelmint. Lab., v. 15, 81-87
Fasciola hepatica, rats, vaccination with somatic antigens does not produce significant protection but metabolic antigens produce relative immunity

Immunization
Duke, B. O. L.; and Garner, A., 1975, Tropenmed. und Parasitol., v. 26 (4), 435-448
Onchocerca volvulus, rabbits (exper.) preimmunized with live or freeze-killed microfilariae and later challenged by subconjunctival inoculation of live microfilariae, severe ocular pathology resulted with live microfilariae, minimal reaction with killed; possible immunological bearing on human infection

Immunization
Duxbury, R. E.; et al., 1973, Isotopes and Radiation Parasitol. III, 179-180
Trypanosoma rhodesiense, mice, rats, cattle, rhesus monkeys; T. congolense, mice, dogs, cattle; T. brucei, cattle: attempted immunization with irradiated trypanosomes, brief communication

Immunization
Duxbury, R. E.; Sadun, E. H.; and Anderson, J. S., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 266-267 [Abstract]
Trypanosoma rhodesiense, recently isolated human strain, immunization of rhesus monkeys using gamma-irradiated trypanosomes

Immunization
Duxbury, R. E.; Sadun, E. H.; and West, J. E., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (5-6), 484-485
Trypanosoma rhodesiense, mice, neutron and gamma radiation of trypanosomes for immunization

Immunization
Dwivedi, S. K.; and Gautam, O. P., 1977, Indian J. Animal Sc., v. 46 (12), 1976, 627-629
Babesia bigemina, splenectomized calves, berenil treatment during acute stage, no immunity to challenge with heterologous strain; treatment during carrier stage, survival after heterologous challenge

Immunization
Dymowska, Z.; Migdalska, Z.; and Kraus, A., 1971, Med. Dosw. i Mikrobiol., v. 23 (2), 167-173
Toxoplasma, immunized rabbits (exper.), evaluation of immune and cellular reactions using percent pattern of hemogram

Immunization
Eckert, J.; and Eisenegger, H., 1976, Zentralbl. Vet.-Med., Beihefte (25), 155-160
Dictyocaulus viviparus, cattle, program for management and control, vaccination with Dictol, tetramisole treatment; Ostertagia ostertagi, Cooperia oncophora, pyrantel tartrate treatment to control concurrent infection limiting weight gain

Immunization
Eling, W.; and Jerusalem, C., 1977, Tropenmed. u. Parasitol., v. 28 (2), 158-174
Plasmodium berghei infected mice (exper.), immunization studies using sulfathiazole-treated drinking water and comparison with para-aminobenzoic acid deficient diet for control of parasitic proliferation during sensitization period; balance between suppressive effect of drug and survival of parasites in treated host is important for induction of immunity

Immunization
Eling, W.; and Jerusalem, C., 1977, Tropenmed. u. Parasitol., v. 28 (3), 293-301
Plasmodium berghei, Swiss and C3H/StZ mice (exper.), evaluation of conditions that may affect immunizing capacity of inoculum; actual immunizing capacity depends on magnitude and time of initiation of sulfathiazole treatment after inoculation as well as conditions of storage, medium, and temperature; conditions leading to immunity are apparently strain specific

Immunization
Ellis, J. C.; Bourns, T. K. R.; and Rau, M. E., 1975, Canad. J. Zool., v. 53 (12), 1803-1811
Trichobilharzia ocellata, previously infected Anas platyrhynchos and A. rubripes exposed to homologous challenge infections, migration, growth and development, and condition compared to initial infection

Immunization
El-On, J.; and Greenblatt, C. L., 1973, J. Protozool., v. 20 (4), 531
Trypanosoma lewisi, T. acomys, growth in vitro at 37°C. in culture media with mammalian cells, rats partially protected against T. lewisi after receiving 6 injections of concentrated culture supernatant fluid

Immunization
El-On, J.; and Greenblatt, C. L., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 19-20 [Demonstration]
Trypanosoma lewisi, production of exoantigens during cultivation at 37°C, partial protection against infection in rats injected with concentrated culture supernatant fluid

Immunization
Emmerson, F. R.; Knott, S. G.; and Callow, L. L., 1976, Austral. Vet. J., v. 52 (10), 451-454
Babesia argentina, beef cattle, field vaccination trials: southeastern Queensland

Immunization
Ershov, V. S.; et al., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 343-348
anaphylactic shock in guinea pigs after sensitization with free-living or plant-parasitic nematodes and challenge with various helminth antigens indicates antigenic components in common; intradermal tests using antigen from free-living nematode in cases of ascariasis, trichinellosis, and cysticercosis; possible use of free-living nematode to immunize against dictyocaulosis and ascariasis

Immunization
Farlow, G. E., 1976, Internat. J. Parasitol., v. 6 (6), 513-516
Babesia rodhaini, B. argentina, differences in infectivity when incubated in plasma vs. serum, role of glucose in prolonging viability, relevance of findings to living babesial vaccines in which plasma- and serum-based diluents may be used

Immunization
Farrell, J. P., 1976, Exper. Parasitol., v. 40 (1), 89-94
Leishmania donovani, acquired resistance in Mesocricetus auratus, previous subcutaneous infection confers ability to limit visceral parasite numbers after intracardial challenge, possible model for study of immunity to kala-azar

Immunization
Faubert, G. M., 1977, Exper. Parasitol., v. 43 (2), 336-341
Trichinella spiralis in Swiss mice, expulsion rate during primary and challenge infections, numbers of encysted muscle larvae also needed as assay for immunity, response of plaque-forming cells to sheep red blood cells in challenge infections used to determine timing of immunosuppression

Immunization
Feteanu, A.; et al., 1973, Isotopes and Radiation Parasitol. III, 101-111
Syngamus trachea, chicks, pheasants, immunization with irradiated larval antigen, fluorescent antibody technique for detection of serum antibodies

Immunization
Finerty, J. F.; and Krehl, E. P., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 377-381
Plasmodium berghei yoelii, reactions in mice immunized with malarial antigen show that cell-mediated immunity depends on route of immunization and type of antigen

Immunization
Fox, J. C., 1976, Vet. Parasitol., v. 1 (3), 209-220
Obeliscoides cuniculi, inhibited development in rabbits: effects of active and passive immunization and resumption of larval development (fewer males developed than females), data indicate that host immune responses contribute to inhibition and that worm egg production is also responsive to immunologic control

Immunization
Fregene, A. O.; et al., 1975, J. Parasitol., v. 61 (6), 1070-1073
comparative responses of radioattenuated Trypanosoma brucei and T. congolense in rats: radiation sensitivity with respect to infectivity; immunogenicity

Immunization
Fromentin, H., 1974, J. Protozool., v. 21 (3), 470 [Abstract]
Trypanosoma brucei gambiense strain M'Bala Victor, ability to protect against 2 heterologous strains (Eliane and Huguette), mice

Immunization
Fu, H.-M.; and Lee, Y.-C., 1976, J. Chinese Soc. Vet. Sc., v. 2 (2), 51-55
Eimeria tenella, chickens inoculated with chemical attenuated oocysts, safe initial infection, satisfactory protection against reinfection

Immunization
Gallie, G. J.; and Sewell, M. M. H., 1976, Trop. Animal Health and Prod., v. 8 (4), 233-242
Taenia saginata, immunization of calves with intramuscular inoculation of non-living antigen or hatched eggs, or oral infection of unhatched eggs, antibody response to challenge infection, serological and haematological responses

Immunization
Gaur, S. N. S.; and Dutt, S. C., 1976, Indian Vet. J., v. 53 (4), 305-306
immunizing effect of single dose of irradiated Ascaris suum eggs, mice, guinea pigs, pathologic changes

Immunization
Gaur, S. N. S.; and Dutt, S. C., 1977, Pantnagar J. Research, v. 2 (1), 80-84
Ascaris suum eggs, immunizing effect in mice, rats and guinea-pigs against migratory juveniles; double immunizing doses in mice produced stronger immunity but more tissue damage

Immunization
Gaur, S. N. S.; Dutt, S. C.; and Sokolic, A., 1975, Ceylon Vet. J., v. 23 (3-4), 46-48
Ascaris suum, mice, attenuation of eggs with various doses of gamma-rays, infectivity of developing larvae; preliminary to immunization studies

Immunization
Gill, B. S.; et al., 1976, Nature (5584), v. 264, 355-356
Theileria annulata, calves, vaccination with schizonts grown in tissue culture, full immunity to severe tick (Hyalomma dromedarii) challenge

Immunization
Gill, B. S.; et al., 1977, Ann. Recherches Vet., v. 8 (3), 285-292
Theileria annulata, cattle, successful immunization by infecting with one-tick stabilate (Hyalomma dromedarii) and simultaneous treatment with chlortetracycline

Immunization
Gill, B. S.; Bhattacharyulu, Y.; and Kaur, D., 1976, Research Vet. Sc., v. 21 (2), 146-149
Theileria annulata, calves, tick-induced infections (Hyalomma anatolicum anatolicum or H. dromedarii), immunization using chlortetracycline prophylactically

Immunization
Gold, D.; and Lengy, J., 1975, Ann. Trop. Med. and Parasitol., v. 69 (2), 265-266
Schistosoma mansoni, mice, failure to immunize by therapeutic eradication (Ambilhar) of adult worm burden, corollary finding that 60-day primary infection did not confer any significant protection against challenge

Immunization
Golenser, J.; et al., 1977, Clin. and Exper. Immunol., v. 29 (1), 43-51
Plasmodium berghei, rats immunized with sporozoites or infected blood, indirect fluorescent antibody tests, crossreactivity using as antigen sporozoites, exoerythrocytic forms, or blood schizonts, protection or lack of protection against challenge with sporozoites or infected blood

Immunization
Golenser, J.; Verhave, J. P.; and Meuwissen, J. H. E. T., 1977, Parasitology, v. 75 (2), xxxi-xxxii [Abstract]
Plasmodium berghei, specificity of antibody responses to different life-cycle stages, results indicate different antigenic determinants but also certain common antigens

Immunization
Gonzalez, E. F.; Todorovic, R. A.; and Thompson, K. C., 1976, Tropenmed. u. Parasitol., v. 27 (4), 427-437
Anaplasma marginale, Babesia argentina, and B. bigemina in calves (exper.), immunization, economical method using minimum infective doses of parasite stabilates produced mild post-immunization reactions but conferred complete protection against bloodborne challenge, evaluation under laboratory conditions shows promise

Immunization
Gonzalez Cappa, S. M.; et al., 1976, J. Parasitol., v. 62 (1), 130-131
Trypanosoma cruzi, stability of protective ability of homogenate prepared by compression-decompression procedure at different pressures, mice

Immunization
Grymberg, N.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (1), 35-36
mice, immunization with Crithidia fasciculata (live suspension, ribosomal fraction, and purified RNA) induced certain degree of protection (decrease of parasitaemia) against infection with Trypanosoma cruzi

Immunization
Guerrero, J.; and Silverman, P. H., 1972, Rev. Invest. Pecuarias, v. 1 (2), 209-213
Ascaris suum, larval culture method, metabolic antigens immunizing mice

Immunization
Gwadz, R. W., 1976, Science (4258), v. 193, 1150-1151
Plasmodium gallinaceum, reduction or elimination of gametocyte infectivity and oocyst development in Aedes aegypti by immunizing chickens on which mosquitoes feed with formalin or x-ray treated infected red blood cells, protection apparently related to immobilization of microgametes in mosquito gut and associated with IgG fraction of serum

Immunization
Hamburger, J.; and Zuckerman, A., 1976, Exper. Parasitol., v. 39 (3), 479-495
Plasmodium berghei, soluble extract, separation into 12 fractions by preparative disc electrophoresis, employment of fractions to seek precipitins in hyperimmune rat serum and in the vaccination of rats

Immunization
Handman, E.; et al., 1974, J. Biol. Standardization, v. 2 (3), 223-229
Leishmania tropica vaccine, production and properties, standardization and quality control

Immunization
Handman, E.; et al., 1977, J. Protozool., v. 24 (2), Suppl., 20A-21A [Abstract]
Leishmania tropica, mice, protection by vaccination with non-living antigenic preparation

Immunization
Hanson, W. L., 1977, Advances Exper. Med. and Biol., v. 93, 281-283
Trypanosoma cruzi, mice, immunization, review

Immunization
Hanson, W. L.; et al., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 117-131
Trypanosoma cruzi, detection of small numbers of viable or virulent parasites in blood and other fluids by Vero cell culture procedure or by mouse inoculation, immunization of mice with irradiated trypomastigotes and amastigotes, serology as determined by indirect fluorescent antibody and agglutination tests

Immunization
Hanson, W. L.; Chapman, W. L., jr.; and Waits, V. B., 1976, Internat. J. Parasitol., v. 6 (4), 341-347
Trypanosoma cruzi, mice, immunization with irradiated cell culture stages, effect of numbers of parasites, numbers of immunizing injections, and route of immunization

Immunization
Hanson, W. L.; Chien, J. J.; and Chapman, W. L., jr., 1973, J. Protozool., v. 20 (4), 511
Trypanosoma cruzi, Brazil strain exposed to various quantities of irradiation, ability to produce infections in cell cultures and in mice and to induce resistance in mice

Immunization
Hargreaves, B. J.; et al., 1975, Ann. Trop. Med. and Parasitol., v. 69 (3), 289-299
Plasmodium berghei yoelii, mice, protective immunity induced by mild parasite strains against virulent line, effect of increased inocula and time course of infection, further studies testing cross-protection against P. b. berghei and P. v. vinckei

Immunization
Harness, E.; Hughes, D. L.; and Doy, T. G., 1976, Internat. J. Parasitol., v. 6 (1), 15-17
Fasciola hepatica, mice, demonstration of pre-hepatic immune response possibly operating in intestinal wall or gut mucus

Immunization
Hashemi-Fesharki, R.; and Shad-Del, F., 1973, Am. J. Vet. Research, v. 34 (11), 1465-1467
Theileria annulata, vaccination of calves and milking cows with cell-suspension culture, immunity persisted for more than 1 year

Immunization
Hayes, T. J.; Bailer, J.; and Mitrovic, M., 1975, Research Vet. Sc., v. 19 (1), 86-87
Fasciola hepatica, significant resistance to second infection in both splenectomized and sham-operated rats, presence of spleen not necessary for development of protective immunity to superinfection in rats

Immunization
Hayes, T. J.; and Mitrovic, M., 1977, J. Parasitol., v. 63 (3), 584-587
Fasciola hepatica, rats, results indicate that protective immunity is expressed within first 24 hours after challenge, dexamethasone abrogated protective effect of previous infection

Immunization
Heath, D. D., 1976, Internat. J. Parasitol., v. 6 (1), 19-24
Taenia pisiformis larvae developing in vitro, period when protective antigens are elaborated, immunizing potential of nonliving antigens from in vitro culture for rabbits, exogenous antigens more protective than somatic, biochemical analysis of exogenous antigens

Immunization
Heath, D. D.; and Chevis, R. A. F., 1975, Vet. Parasitol., v. 1 (2), 159-163
Taenia pisiformis, rabbits, immunization with viable eggs or with activated oncospheres followed by mebendazole chemotherapy at various intervals, time course required for development of immunity

Immunization
Hein, H. E., 1976, Exper. Parasitol., v. 40 (2), 250-260
Eimeria acervulina, E. brunetti, E. maxima, E. necatrix, immunogenic potential under precisely defined conditions which provide standards enabling comparisons between species and strains to be made, found that high level of resistance to reinfection was conferred by multiple infections with relatively low doses of oocysts

Immunization
Hepler, D. I.; and Lueker, D. C., 1976, Abst. Ann. Meet. Am. Soc. Microbiol., 76
Nematospiroides dubius, mice (exper.), cellular and humoral response after oral immunization

Immunization
Hepler, D. I.; Lueker, D. C.; and Rubin, R., 1976, J. Parasitol., v. 62 (3), 491-492
Nematospiroides dubius, vaccination, immune response of outbred mouse strains stronger than inbred ones, oral route of administering larvae superior to subcutaneous route, steroid hormones blocked expression of immunity in subcutaneously vaccinated mice but not in orally vaccinated ones

Immunization
Herbert, W. J.; and Inglis, M. D., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 268 [Abstract]
Trypanosom[a] brucei, mice, immunization by administration of syngeneic red blood cells which had been exposed to plasma taken from infected animals

Immunization
Herd, R. P., 1977, Internat. J. Parasitol., v. 7 (2), 135-138
Echinococcus granulosus, dogs, immunization studies using arrested development and inhibition of egg production as criteria, indications that certain dogs have natural resistance which is not mediated by specific antibodies or sensitized lymphocytes to tapeworm secretory antigens

Immunization
Herlich, H.; and Douvres, F. W., 1977, J. Dairy Sc., v. 60 (2), 283-288
parasitism and calfhood diseases, immunity, immunization, pathology, review

Immunization
Hillyer, G. V., 1976, Fed. Proc., v. 35 (14), 2568-2571
Fasciola hepatica antigens used in protecting against Schistosoma mansoni challenge, common and/or cross-reacting antigens between S. mansoni, S. japonicum, and F. hepatica, possible role of eosinophil in acquired resistance

Immunization
Hillyer, G. V.; del Llano de Diaz, A.; and Reyes, C. N., 1977, Exper. Parasitol., v. 42 (2), 348-355
Schistosoma mansoni, mice, hamsters, immunization using antigens of Fasciola hepatica

Immunization
Hines, H. C., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 77-80
anaplasmosis, cattle, Anaplaz vaccine as a possible cause of isohemolytic disease of calves

Immunization
Hines, H. C.; et al., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 82-85
Anaplasma marginale, presence of bovine blood group antigens in Anaplaz, ability to elicit antibody response, effects upon calves of vaccination of their dams

Immunization
Holbrook, T. W.; Spitalny, G. L.; and Palczuk, N. C., 1976, J. Parasitol., v. 62 (5), 670-675
mice immunized with Plasmodium fallax exoerythrocytic stages, stimulation of resistance to sporozoite-induced P. berghei malaria

Immunization
Hopkins, C. A.; Goodall, R. I.; and Zajac, A., 1977, Parasitology, v. 74 (2), 175-183
Hymenolepis diminuta, H. microstoma, mice, effect of primary immunizing infection with one species on growth and survival of secondary infection with heterologous species; data on longevity and pattern of worm loss in primary H. microstoma infections in mice; results show that H. microstoma in low level infections is able to evade host immune response, heavier worm burden initiates worm loss which may be physiologically ('crowding effect') rather than immunologically mediated

Immunization
Hopkins, C. A.; and Zajac, A., 1976, Parasitology, v. 73 (1), 73-81
Hymenolepis diminuta, transplanted into various classes of mice (naive mice receiving cortisone, naive mice, irradiated naive mice, immunized mice, irradiated immunized mice), differences in time course of rejection response, surgical stress as a possible source of error

Immunization
Howard, R. J., 1976, Parasitology, v. 72 (3), 317-323
Hymenolepis microstoma, mice infected with 1, 5, or 10 cysticercoids, infections terminated after 5, 16, or 30 days, challenge with 6 cysticercoids, growth of worms in secondary infections decreased as either intensity or duration of primary infections increased

Immunization
Hsu, S. Y. L.; et al., 1975, J. Reticuloendothel. Soc., v. 18 (3), 167-185
Schistosoma japonicum, rhesus monkeys, mechanism of immunity studied by histopathologic examinations of skin lesions elicited during immunizations and challenge with cercariae, role of cell-mediated immunity, significance of time of appearance of eosinophils, role of synergistic and cooperative functions of T and B cells

Immunization
Hsu, S. Y. L.; et al., 1976, J. Parasitol., v. 62 (6), 914-926
Schistosoma mansoni, S. japonicum, rhesus monkeys immunized with highly X-irradiated cercariae, lethal antibody in sera, in vitro effect on schistosomula (perischistosomular precipitate, perischistosomular envelope)

Immunization
Hsü, S. Y. L.; et al., 1977, Exper. Parasitol., v. 43 (1), 189-195
Schistosoma japonicum-immunized Macaca mulatta, exposure to highly irradiated cercariae as a test to determine prechallenge state of immunity by studying histopathological lesions in skin, test appears to be harmless to hosts

Immunization
Hsu, S. Y. L.; and Hsu, H. F., 1975, J. Parasitol., v. 61 (6), 1108-1109
Schistosoma japonicum, rhesus monkeys immunized with cercariae exposed to high doses of X-irradiation, technique for quantitating recovery rates of schistosomula in skin

Immunization
Huang, R. J.; and Lee, Y. C., 1975, J. Chinese Soc. Vet. Sc., v. 1 (2), 104-110
Eimeria tenella, chickens, immunization by use of anticoccidials

Immunization
Huchzermeyer, F. W., 1976, J. South African Vet. Ass., v. 47 (4), 253-254
Eimeria, chickens, immunization by vaccination with low dose of Eimeria and controlled exposure, method of choice in coccidiosis control, brief review: Rhodesia

Immunization
Hughes, D. L.; Anderson, J. C.; and Harness, E., 1976, Exper. Parasitol., v. 40 (3), 355-362
Fasciola hepatica, rats sensitized either by subcutaneous implantation of adult flukes or by normal oral infection, challenge by subcutaneous vs. intraperitoneal route, comparison of responses

Immunization
Hughes, D. L.; Anderson, J. C.; and Harness, E., 1976, Parasitology, v. 73 (2), xxvi [Abstract]
Fasciola hepatica, rats, combination of various sensitization and challenge routes

Immunization
Hughes, D. L.; Harness, E.; and Doy, T. G., 1977, Nature, London (5611), v. 267, 517-518
Fasciola hepatica, rats with long-standing infection have lost ability to kill transferred adult flukes, however if these same rats are reinfected with metacercariae their ability to kill the challenge flukes is restored

Immunization
Hughes, D. L.; Harness, E.; and Doy, T. G., 1977, Parasitology, v. 75 (2), x-xi [Abstract]
Fasciola spp., ability of immunized rats to kill adult flukes

Immunization
Hungerer, K. D.; et al., 1976, Ztschr. Parasitenk., v. 50 (2), 221-222
Trypanosoma cruzi, possibility of chemical attenuation by substances blocking metabolic regulation of protein by DNA in order to develop live vaccine

Immunization
Hussain, Q. Z.; et al., 1976, Indian J. Med. Research, v. 64 (12), 1836-1840
Plasmodium berghei in rats, successful immunization with liver antigen

Immunization
Hussain, Q. Z.; et al., 1976, Indian J. Med. Research, v. 64 (12), 1841-1843
Plasmodium cynomolgi in rhesus monkeys, successful immunization with membrane antigen

Immunization
Ilardi, A.; Guglielmi, S.; and Proietti, A.M., 1972, Parassitologia, v. 14 (2-3), 317-324
X-irradiation of Leishmania and leptomonas forms of strain 2S of Leishmania donovani, hamsters, protection increases as irradiation increases

Immunization
Irvin, A. D.; et al., 1976, J. Comp. Path., v. 86 (1), 51-57
Theileria parva-infected bovine lymphoid cells grown in mice, immunization of cattle with cells passaged in mice

Immunization
Iwata, A.; et al., 1976, Nippon Zyuisi-Kai Zassi (J. Japan. Vet. Med. Ass.), v. 29 (12), 673-675
piroplasmosis, Holstein cows, time interval between virulent blood inoculation and acquisition of immunity

Immunization
James, D. M., 1976, Internat. J. Parasitol., v. 6 (2), 179-182
Trypanosoma brucei, T. congolense, induction of protective immunity in rodents receiving living trypanosomes pretreated with isometamidium chloride or diminazene aceturate tetrahydrate

Immunization
James, E., 1977, Colloque Cryoimmunol. (Dijon, June 17-19, 1976), 355-359
Schistosoma mansoni, S. bovis, S. mattheei, cryopreservation, a possible technique for storage of live attenuated vaccine (schistosomula prepared artificially from cercariae)

Immunization
James, E. R.; and Denham, D. A., 1975, J. Helminth., v. 49 (1), 43-47
mice immunized to intestinal stage of Trichinella spiralis by drug-abbreviated infections, significant reduction in muscle larvae which encysted following normal complete challenge infection, no significant protection against challenge with parenteral stages, stage-specificity of immune response

Immunization
James, E. R.; and Farrant, J., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (6), 498-500
Schistosoma mansoni, successful recovery of infective schistosomula after storage in liquid nitrogen; only small percentage developed to adult worms, but technique shows promise for future storage of a live schistosomiasis vaccine

Immunization
James, E. R.; Moloney, A.; and Denham, D. A., 1977, J. Parasitol., v. 63 (4), 720-723
Trichinella spiralis, mice, immunogenicity of parenteral phase confirmed, resistance stimulated by this phase does not affect the intestinal phase

Immunization
James, E. R.; and Taylor, M. G., 1976, J. Helminth., v. 50 (4), 223-233
Schistosoma mansoni, six techniques for transformation of cercariae to schistosomula, comparative efficiency, infectivity of transformed organisms for mice by six different routes of administration, implications for immunization experiments

Immunization
Jedreas, A., 1976, Med. Wet., v. 32 (2), 73-75
Dictyocaulus filaria, sheep, immunization by vaccine of normal or X-irradiated larvae; animals vaccinated twice, highly resistant to challenge dose; however, vaccination by high doses of normal larvae sometimes caused death

Immunization
Jedreas, A., 1976, Med. Wet., v. 32 (9), 525-529
Dictyocaulus filaria, sheep, immunization with irradiated and non-irradiated larvae, challenged with non-irradiated larvae

Immunization
Jenkins, D. C., 1977, Exper. Parasitol., v. 41 (2), 335-340
Nematospiroides dubius, course of primary and challenge infections in male and female Meriones unguiculatus, rate of establishment, morphology, sex ratio and distribution within host intestine, expulsion in primary infections, resistance to challenge infections, lactating jirds with depressed immunocompetence were significantly more susceptible to reinfection than nulliparous jirds of same age

Immunization
Jenkins, S. N., 1976, Parasitology, v. 73 (2), xiv [Abstract]
Trichuris muris, immunization with whole male and stichocyte antigen preparations and with 'exo' antigen obtained by incubation of adult worms, analysis of functional antigens by immunodiffusion and physicochemical treatments

Immunization
Jenkins, S. N.; and Wakelin, D., 1977, Parasitology, v. 74 (2), 153-161
Trichuris muris, mice, vaccination with whole male worm extract, stichosome extract, and short-term incubation fluid in attempt to localize protective antigens and investigate them physico-chemically, concluded that one of protective immunogens is protein which can be associated with precipitin line and originates in stichosome

Immunization
Jeon, Y.; Kim, D. S.; and Jeong, S. J., 1975, Research Rep. Office Rural Develop., Min. Agric. and Forest., Korea, v. 17, 45-49
Babesia, cattle, experimental infection for immunization, recovery with persistence of antibodies as shown by indirect fluorescent antibody test

Immunization
John, D. T., 1974, Proc. Helminth. Soc. Washington, v. 41 (2), 121-126
Angiostrongylus cantonensis, mice (exper.), acquired immunity, weight loss occurred to a lesser degree in immunized mice, they experienced a greater leukocytosis

Immunization
John, D. T.; Weik, R. R.; and Adams, A. C., 1977, Infect. and Immun., v. 16 (3), 817-820
mice, immunization with Naegleria fowleri or N. gruberi, protection against otherwise lethal N. fowleri challenge

Immunization
Joyner, L. P.; and Norton, C. C., 1976, Parasitology, v. 72 (1), 115-125
Eimeria maxima, E. acervulina, chicks, immunity arising from continuous low-level infections was stronger and/or more enduring than that produced by single inoculations of comparable numbers of oocysts

Immunization
Karlsson, T.; and Reid, W. M., 1977, Poultry Science, v. 56 (5), 1727-1728 [Abstract]
Eimeria tenella, broilers given immunizing doses of E. tenella failed to develop immunity while being medicated with monensin; developed partial immunity if medicated with robenidine or zoalene

Immunization
Kassai, T.; et al., 1973, Isotopes and Radiation Parasitol. III, 51-60
Dictyocaulus filaria, sheep and goats, laboratory investigation of immunity induced by irradiated vs. non-irradiated larvae, marked resistance following infection with normal larvae, irradiated larvae failed to prevent re-infection in sheep but did in 3 of 5 goats; sheep, field trials of radiation-attenuated vaccine compared to efficacy of anthelmintic treatment, no protection shown in vaccinated sheep

Immunization
Katz, S. P.; and Colley, D. G., 1976, Infect. and Immun., v. 14 (2), 502-508
Schistosoma mansoni, mice, induction of cellular and humoral immunological reactivity to soluble cercarial antigen preparation, assayed by in vitro lymphocyte blastogenic activity and by presence of agglutinating and reaginic antibody activity

Immunization
Kazacos, K. R., 1975, Vet. Parasitol., v. 1 (2), 165-174
Trichinella spiralis-immunized rats, increased resistance to Nippostrongylus brasiliensis, heterologous and homologous tests of immune precipitate formation on infective larvae

Immunization
Kazacos, K. R., 1976, J. Parasitol., v. 62 (1), 161-163
Mesocestoides corti, immunization of mice by subcutaneous inoculation of living tetrathyridia

Immunization
Kazacos, K. R.; and Thorson, R. E., 1975, J. Parasitol., v. 61 (3), 525-529
rats, immunization with Nippostrongylus brasiliensis or Strongyloides ratti protected against homologous and heterologous challenge; precipitates formed on infective larvae incubated in vitro in homologous or heterologous immune globulins

Immunization
Kazacos, K. R.; and Thorson, R. E., 1975, Proc. Helminth. Soc. Washington, v. 42 (2), 170-171
Mesocestoides corti larval excretory and secretory (ES) antigens had no effect on the establishment and development of Hymenolepis diminuta cysticercoids in rats

Immunization
Kendall, S. B.; Small, A. J.; and Phipps, L. P., 1977, J. Comp. Path., v. 87 (4), 551-555
Oesophagostomum quadrispinulatum, pigs (exper.), repeated infection with 500 larvae induced a solid resistance in about 50 days, barrier to reinfection develops against third stage larvae

Immunization
Kerr, K. M.; et al., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 80 [Abstract]
neonatal isoerythrolysis produced experimentally in calves from dams hyperimmunized against their sire (an Angus bull that had had a high incidence of neonatal isoerythrolysis in his calves when the dams were inoculated with a bovine blood-based anaplasmosis vaccine)

Immunization
Kerr, K. M.; McKnelly, S.; and Bridges, C. H., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 86-90
incidence of neonatal isoerythrolysis in calves in a herd of registered Brangus cows previously vaccinated with Anaplaz; lesions, clinical signs, and treatment of affected calves; limitations of predicting which cows will give birth to affected calves; possibilities of selecting bulls for future mating with the cows to prevent recurrence of disease in subsequent calves

Immunization
Khoury, P. B.; and Soulsby, E. J. L., 1977, Exper. Parasitol., v. 41 (2), 432-445
Ascaris suum, immunized guinea pigs given challenge infections, lymphoid cell responses of draining lymph nodes and spleen, in vitro antigen-induced lymphocyte transformation, rosette formation, rosette inhibition, and rosette-plaquing techniques

Immunization
Kierszenbaum, F.; and Howard, J. G., 1976, J. Immunol., v. 116 (5), 1208-1211
differences in susceptibility to and immunization against Trypanosoma cruzi (Y and Tulahuen strains) in Biozzi high vs. low responder mice, correlation between antibody-forming potential and susceptibility, protection of low responders by passive transfer of immune plasma

Immunization
Klucas, C. A.; and Rhodes, M. B., 1976, Proc. Nebraska Acad. Sc., 20
Ascaris suum, hatching fluid, immunization of pigs

Immunization
Knopf, P. M.; and Cioli, D., 1976, Ztschr. Immunitaetsforsch., v. 152 (2), 94-95 [Abstract]
Schistosoma mansoni, induction of resistance to cercarial challenge by intra-mesenteric vein injection of live or fixed adult schistosomes, rats

Immunization
Knopf, P. M.; Nutman, T. B.; and Reasoner, J. A., 1977, Exper. Parasitol., v. 41 (1), 74-82
Schistosoma mansoni, resistance to reinfection in rats, effects of varying experimental parameters, concluded that resistance not due to nutritional limitation on worm survival or to expulsion of primary-infection worms but is the result of an absolute decrease of challenge-infection worms in twice-infected rats

Immunization
Kohls, R. E.; Engle, A. T.; and Butters, H. E., 1972, Avian Dis., v. 16 (4), 907-914
coccidiosis in laying chickens (exper.), continuous buquinolate medication, good protection with increased egg production and egg quality, immune status at termination

Immunization
Komandarev, S.; and Mikhov, L., 1973, Izvest. Tsentral. Khelmint. Lab., v. 16, 111-118
Trichinella spiralis-immunized mice, immunity to homologous and heterologous (Ascaris suum) challenge

Immunization
Koufman, Z.; et al., 1977, J. Protozool., v. 24 (2), Suppl., 18A [Abstract]
Leishmania tropica, human, immunization trials: Israel

Immunization
Kramer, L. D.; and Vanderberg, J. P., 1975, Am. J. Trop. Med. and Hyg., v. 24 (6, pt. 1), 913-916
Plasmodium berghei, mice, albumin enhances protection of intramuscularly injected irradiated sporozoites probably by increasing motility but intravenously injected sporozoites still offer more protection

Immunization
Krettli, A.; Chen, D. H.; and Nussenzweig, R. S., 1973, J. Protozool., v. 20 (5), 662-665
Plasmodium berghei, P. cynomolgi, sporozoites isolated by density-gradient centrifugation, infectivity, ability to induce protective immunity and formation of antisporozoite antibodies, in vitro reactivity in circum-sporozoite precipitation reaction

Immunization
Kuil, H.; et al., 1977, Vet. Parasitol., v. 3 (1), 33-40
Eimeria maxima, Eimeria acervulina, chickens, effect of inoculation dose on indirect fluorescent antibody response, difference in immunogenicity between two species substantiated by difference in IFA response after challenge, reinoculation with Eimeria maxima indicated that birds were immune but single infection with Eimeria acervulina did not result in solid immunity

Immunization
Kumar, V.; and Mortelmans, J., 1976, Parasitology, v. 72 (1), 13-18
Metastrongylus apri, guinea pigs, levamisole-terminated prepatent infection, stimulation of strong immunity to challenge, increase in serum gamma-globulin levels

Immunization
Kuttler, K. L.; and Johnson, L. W., 1977, Vet. Med. and Small Animal Clin., v. 72 (8), 1354, 1356-1359
Anaplasma marginale, Babesia bigemina, B. argentina, Holstein heifers destined for shipment to Nicaragua, premunition by inoculation with organisms, oxytetracycline given to heifers administered attenuated or non-attenuated A. marginale; apparently resistant to field challenge in Nicaragua

Immunization
Kwa, B. H.; and Liew, F. Y., 1977, J. Exper. Med., v. 146 (1), 118-131
Taenia taeniaeformis, rats, vaccination with somatic antigen and excretory antigen and with purified fractions of both, stimulation of immediate-type and delayed-type hypersensitivity reactions, highly significant protection against challenge infection

Immunization
Lang, B. Z., 1976, J. Parasitol., v. 62 (2), 232-236
Fasciola hepatica, treatment of 16-day-old flukes in anti-worm incubate sera and anti-25-day infection sera, significant decrease in ability to continue migration in normal recipient mice; successful vaccination with a crude incubate antigen

Immunization
Lang, B. Z.; and Hall, R. F., 1977, J. Parasitol., v. 63 (6), 1046-1049
Fasciola hepatica, white mice, successful vaccination with culture incubate antigens and antigens from sonic disruption of immature worms

Immunization
Lepes, T., 1973, Acta Parasitol. Iugoslavica, v. 4 (1), 13-24
malaria, immune response, its basic elements and serological and immunological techniques for measuring it, possibilities for immunization, review

Immunization
Lepp, D. L.; and Todd, K. S., jr., 1974, J. Protozool., v. 21 (2), 199-206
Isospora canis in dogs (exper.), description, endogenous cycle, localization in small intestine; failure to reinfect previously infected dogs

Immunization
Leutskaia, Z. K., 1975, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 25, 71-90
Ascaridia galli in chicks, role of vitamin A in immunogenesis (increase of resistance, specific immunity, antibody formation), specifically, role in immunization

Immunization
Liburd, E. M.; Armstrong, W. D.; and Mahrt, J. L., 1973, Cellular Immunol., v. 7 (3), 444-452
Eimeria nieschulzi in rats, investigation of normal immune response and of adoptive immunity with primed thoracic duct lymphocytes

Immunization
Locatelli, A.; and Simonic, T., 1974, Folia Vet. Latina, v. 4 (1), 43-70
Fasciola hepatica, short review of physiology, biochemistry, pathogenicity, immunology, and diagnosis (fecal examination, complement fixation, precipitation, haemagglutination, flocculation, and allergy tests, indirect immunofluorescence)

Immunization
Loehr, K. F.; Ross, J. P. J.; and Meyer, H., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (1), 86-95
Anaplasma marginale, A. centrale, cattle, homologous and heterologous indirect fluorescent antibody and capillary tube agglutination responses to primary infection and reinfection and to cross-infection with the heterologous organisms, clinical reactions; A. centrale carrier animals showed high degree of premunity to severe challenge with A. marginale

Immunization
Long, P. L.; and Millard, B. J., 1975, J. Protozool., v. 22 (3), 53A [Abstract]
Eimeria tenella embryo-adapted strain, failure to regain pathogenicity for chickens after 62 embryo passages, single immunizing dose confers protection against pathogenic strain, successful infection of duck and quail embryos

Immunization
Long, P. L.; and Millard, B. J., 1977, Avian Path., v. 6 (1), 77-92
chickens immunised against Eimeria using repeated low level infections with attenuated strains of E. tenella and E. acervulina var. mivati alone or together with E. brunetti, E. maxima, E. necatrix

Immunization
McCarthy, V. C.; and Clyde, D. F., 1977, Exper. Parasitol., v. 41 (1), 167-171
Plasmodium vivax, human, correlation of circumsporozoite precipitation reaction with sporozoite-induced protective immunity

Immunization
McGhee, R. B.; Singh, S. D.; and Weathersby, A. B., 1977, Exper. Parasitol., v. 43 (1), 231-238
Plasmodium gallinaceum, chicks, vaccination with embryo-adapted strain, completely effective as protection against erythrocytic stages

Immunization
McHardy, N., 1977, Tropenmed. u. Parasitol., v. 28 (1), 11-16
Trypanosoma cruzi, mice, immunization with vaccine of freeze-thawed cultured epimastigotes with or without saponin adjuvant, effects of variation in size and route of both immunizing and challenge inocula

Immunization
McHardy, N.; and Simpson, R. M., 1973, Trop. Animal Health and Prod., v. 5 (3), 166-173
Anaplasma marginale (South African and Kenyan strains), attempted immunization of cattle using a killed vaccine with saponin as adjuvant

Immunization
Macy, R. W., 1973, J. Wildlife Dis., v. 9 (1), 44-46
Sphaeridiotrema globulus, Pekin ducklings, high degree of acquired resistance following initial infection

Immunization
Mahoney, D. F.; and Mirre, G. B., 1974, Research Vet. Sc., v. 16 (1), 112-114
extraction of infective material of Babesia argentina from larval stages of Boophilus microplus, use in infecting calves, potential source of erythrocyte-free parasites for vaccination and study of antigens

Immunization
Mahoney, D. F.; and Wright, I. G., 1976, Vet. Parasitol., v. 2 (3), 273-282
Babesia argentina, cattle, immunization with killed antigen against infection with heterologous strain, effect of vaccination on certain pathological parameters

Immunization
Mahoney, D. F.; Wright, I. G.; and Mirre, G. B., 1973, Ann. Trop. Med. and Parasitol., v. 67 (2), 197-203
Babesia argentina, B. bigemina, calves, persistence of immunity after natural infection in early life and subsequent tick-free maintenance, concluded that animals naturally infected during calfhood are unlikely to require vaccination for protection against babesiosis in later life

Immunization
Manger, B. R., 1976, Parasitology, v. 73 (2), xiii-xiv [Abstract]
Nematospiroides dubius, mice, anthelmintic-terminated immunizing infections (Cambendazole selected as most active), variation in degree of protection between host strains, timing of termination of immunizing infection indicated exsheathment per se not essential in production of resistance, protection could not be transferred with serum alone

Immunization
Menèzes, H., 1976, Tropenmed. u. Parasitol., v. 27 (4), 418-421
Trypanosoma cruzi, epimastigote forms of avirulent strain successfully used to immunize mice (exper.) against challenge with a virulent homologous strain

Immunization
Meremins'kii, A. I., 1975, Veterinariia, Kiev (42), 84-90
Liorchis scotiae, experimental immunization of calves with adolescaria, challenged with superinfection

Immunization
Miller, L. H., 1977, J. Infect. Dis., v. 135 (5), 855-864
human malarias, current prospects and problems in developing a vaccine for malaria immunization

Immunization
Miller, L. H., 1977, Advances Exper. Med. and Biol., v. 93, 113-120
malaria, critique of merozoite and sporozoite vaccines

Immunization
Miller, L. H.; Powers, K. G.; and Shiroishi, T., 1977, Exper. Parasitol., v. 41 (1), 105-111
Plasmodium knowlesi in rhesus monkeys, no correlation between functional immunity and results of 2 in vitro tests (schizont-infected cell agglutination test; suppression of merozoite invasion by immune serum)

Immunization
Minard, P.; Murrell, K. D.; and Stirewalt, M. A., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 491-499
Schistosoma mansoni cercaria, material secreted by preacetabular gland sufficiently immunogenic to induce antibodies in mice (exper.) but not sufficient to afford protection against subsequent infections

Immunization
Mitchell, G. H., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 281-282
Plasmodium knowlesi malaria in rhesus monkeys (exper.), techniques for isolation of merozoites for use in experimental vaccines, review of current status, symposium presentation

Immunization
Mitchell, G. H.; et al., 1977, Clin. and Exp. Immunol., v. 28 (2), 276-279
Plasmodium knowlesi, rhesus monkeys, effectiveness of freeze-dried merozoite vaccine in protecting against homologous or heterologous variant blood challenge

Immunization
Mitchell, G. H.; et al., 1977, Lancet, London (8026), v. 1, 1335-1338
Plasmodium falciparum, successful vaccination of Aotus trivirgatus griseimembra (exper.) with erythrocytic merozoites, immunity specific for falciparum malaria, technique for isolating merozoites from infected human blood

Immunization
Movsesijan, M.; et al., 1975, Acta Vet. Beograd, v. 25 (5), 255-259
Eimeria spp., chickens administered single oral dose of irradiated oocysts resistant to subsequent challenge dose of non-irradiated oocysts, irradiated and non-irradiated E. tenella antigenically more potent than E. necatrix and E. brunetti and produced highest titres of specific antibodies

Immunization
Mugera, G. M.; Bitakaramire, P. K.; and Munyua, W. K., 1973, Isotopes and Radiation Parasitol. III, 129-137
cattle, immunization against East Coast fever using Theileria parva-infected Rhipicephalus appendiculatus irradiated at graded doses, comparison of immunity produced by attachment of ticks vs. inoculation of tick tissue, circulating antibodies demonstrated by capillary agglutination test

Immunization
Munyua, W. K.; Mugera, G. M.; and Bitakaramire, P. K., 1973, Bull. Epizoot. Dis. Africa, v. 21 (1), 75-85
cattle, pathogenesis and pathology of East Coast fever induced by gamma irradiated Theileria parva infected Rhipicephalus appendiculatus, immunogenesis

Immunization
Murray, M.; and Urquhart, G. M., 1977, Advances Exper. Med. and Biol., v. 93, 209-241
African trypanosomiasis, immunoprophylaxis, review: cattle and sheep, laboratory animals; chemotherapeutic agents and immunity, nature of protective antigen, effector mechanisms in protection, manipulation of host resistance

Immunization
Murrell, K. D.; Dean, D. A.; and Stafford, E. E., 1975, Am. J. Trop. Med. and Hyg., v. 24 (6, pt. 1), 955-962
resistance to infection with Schistosoma mansoni after immunization with worm extracts or live cercariae: role of cytotoxic antibody in mice and guinea pigs

Immunization
Musaev, M. A.; and Elichev, Ia. Ia., 1975, Izvest. Akad. Nauk Azerbaidzhan. SSR, s. Biol. Nauk (3), 84-93
E[imeria] tenella, chickens, infection and immunization with large doses of oocysts, changes in blood serum protein and protein fraction levels

Immunization
Nansen, P., 1975, Research Vet. Sc., v. 19 (3), 278-283
Fasciola hepatica, calves inoculated with gamma-irradiated metacercariae, significant resistance to natural infection in the field

Immunization
Norman, B. B., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 103-106
Anaplasma marginale, cattle, current status of premunization and vaccination for control

Immunization
Norton, C. C.; and Hein, H. E., 1976, Parasitology, v. 72 (3), 345-354
Eimeria maxima, comparison of 3 strains (Weybridge, Houghton, and a fresh field isolate), oocyst measurements, pathogenicity, oocyst production, immunity to homologous not heterologous challenge, chickens

Immunization
Nussenzweig, R. S., 1977, Advances Exper. Med. and Biol., v. 93, 75-87
immunoprophylaxis of malaria, sporozoite-induced immunity, review: sporozoite-induced protective immunity in rodent malaria, characteristics and possible mechanisms; simian malaria immunization (Plasmodium cynomolgi-rhesus monkey system); immunization of man against sporozoite-induced malaria

Immunization
Olson, L. J., 1976, Internat. J. Parasitol., v. 6 (3), 247-251
Toxocara canis larvae in mouse eye, distribution within various eye tissues and effect of previous infection on numbers and distribution, onset and development of hemorrhagic and white cell lesions in anterior eye following challenge of immunized and control mice

Immunization
Opuni, E. K.; and Muller, R. L., 1975, J. Helminth., v. 49 (3), 199-204
Spirometra theileri, mice, attempted immunization with 3 procedures (antigen plus adjuvant, antigen alone, active infection), none conferred absolute immunity but gave some protection, serological and histological findings indicate involvement of both cellular and humoral elements

Immunization
Ortiz-Ortiz, L.; Gonzalez-Mendoza, A.; and Lamoyi, E., 1975, J. Immunol., v. 114 (4), 1424-1425
Trypanosoma cruzi, mice, nonspecific immunization with BCG elicited significant protection

Immunization
Osorno, B. M.; et al., 1975, Am. J. Vet. Research, v. 36 (5), 631-633
Anaplasma marginale, young cattle, attenuated vaccine, evaluation of protection induced against challenge exposure of naturally transmitted anaplasmosis in enzootic areas of Mexico, concluded that vaccine provided means for safe adaptation of high-quality young cattle to tropics

Immunization
Osorno, B. M.; and Ristic, M., 1977, Veterinaria, Mexico, v. 8 (3), 85-98
Anaplasma marginale, bovine, control, diagnosis, distribution, use of attenuated vaccine of A. marginale, review: Mexico

Immunization
Osorno, B. M.; Solana, M. P.; and Ristic, M., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 113-116
Anaplasma marginale, cattle, safety and efficacy of attenuated University of Illinois vaccine in inducing protection against artificial challenge with virulent Mexican Anaplasma strain of known potency

Immunization
Parodi, A. S.; et al., 1971, Medicina, Buenos Aires, v. 31 (5), 369-371
Trypanosoma cruzi, human volunteers injected with experimental immunizing antigen (disrupted epimastigotes), humoral antibody response and local reactions

Immunization
Pelster, B., 1975, Ztschr. Parasitenk., v. 48 (2), 95-110
Toxoplasma gondii, immunized mice, superinfection not causing death, cellular immune reactions, mouse exudate containing high percentage of lymphocytes; peritoneal exudate cells incubated in vitro with trophozoites cause their death by lysis

Immunization
Penev, P.; Nikolova, M.; and Stefanova, M., 1975, Vet. Med. Nauk., v. 12 (9), 46-50
Eimeria tenella, infection of chickens previously infected with Marek's disease, inability to build up stable immunity against subsequent Eimeria tenella infection

Immunization
Penev, P.; and Stefanova, M., 1975, Vet. Med. Nauki, v. 12 (5), 111-115
Eimeria tenella, immunogenic ability of oocysts following treatment with gamma rays

Immunization
Pereira, N. M.; et al., 1977, J. Protozool., v. 24 (4), 511-514
Crithidia fasciculata, Herpetomonas samuelpessoai, Leishmania tarentolae, isolation of flagella, 3 types of flagella give similar electrophoretic pattern of proteins, H. samuelpessoai and to a lesser extent C. fasciculata flagella confer protection against Trypanosoma cruzi infections in mice

Immunization
Pettersen, E. K., 1977, Acta Path. et Microbiol. Scand., v. 85B (1), 95-102
Toxoplasma gondii, avirulent strain made virulent by mouse passage and then attenuated by storage, comparison of cyst-forming abilities in mice and rabbits, rabbits infected with attenuated parasites survived challenge with virulent parasites

Immunization
Phillips. R. S., 1973, Isotopes and Radiation Parasitol. III, 173-177
Babesia rodhaini, protective immunization of mice and rats with irradiated infected red cells, use in demonstrating antigenic variation, review

Immunization
Phillips, R. S., 1976, Parasitology, v. 73 (2), xii [Abstract]
Plasmodium berghei, mice, immunization with irradiated infected red cells, Bordetella pertussis and B.C.G. as potentiators of protection induced

Immunization
Phillips, S. M.; Reid, W. A.; and Sadun, E. H., 1977, Cellular Immunol., v. 28 (1), 75-89
Schistosoma mansoni, rats, development of strong and effective immunity within 1 week following initial exposure, immunity stimulated by and directed against early stage-specific forms of infection, mechanisms not clear but partially mediated through development of specific protecting immunoglobulin

Immunization
Pipano, E.; et al., 1977, Vet. Parasitol., v. 3 (1), 11-22
Theileria annulata, cattle, immunization using killed schizont vaccine, protection against blood challenge but not against tick-transmitted infection, high antibody levels not correlated with protection

Immunization
Playfair, J. H. L.; de Souza, J. B.; and Cottrell, B. J., 1977, Immunology, v. 33 (4), 507-515
Plasmodium yoelii, P. vinckei, P. berghei, mice, regime of killed homologous vaccine plus Bordetella pertussis adjuvant, differences between species in effectiveness of protection, some cross-protection but largely species-specific, passive transfer of immunity to P. yoelii by serum or spleen cells

Immunization
Poels, L. G.; et al., 1977, Exper. Parasitol., v. 42 (1), 182-193
Plasmodium berghei, active immunization of chloroquine-protected mice, immunofluorescence and immunoperoxidase studies, transfer of malaria-immunized spleen cells and/or serum, priming with immune spleen cells, evidence for selective release of protective antigens during course of infection

Immunization
Poulain, J.; Pery, P.; and Luffau, G., 1976, Ann. Immunol., v. 127C (2), 209-213
Nippostrongylus brasiliensis, rats, vaccination with worm homogenates, whole fixed worms, or metabolic products administered orally, metabolic products induced highest level of protection

Immunization
Premvati, G.; and Chopra, A. K., 1977, Indian J. Zoot., v. 16 (1), 1975, 1-5
Nippostrongylus brasiliensis, infective larvae exposed to various doses of ultraviolet rays, development, sex ratio of adult worms, no resistance in rats challenged with lethal dose of untreated larvae subsequent to lethal dose of irradiated larvae

Immunization
Preston, P. M.; Dumonde, D. C., 1976, Clin. and Exper. Immunol., v. 23 (1), 126-138
Leishmania tropica in CBA mice as experimental model of leishmaniasis in man: relationship of inoculum dose to size and duration of lesions, antibody production, and delayed hypersensitivity responses; infections manifest both during and after healing stages; immunization with sonicated promastigotes; lymphoid cells from immune mice conferred protection upon recipients

Immunization
Purnell, R. E.; and Brocklesby, D. W., 1977, Research Vet. Sc., v. 23 (2), 255-256
Babesia divergens, limited protection against isologous and homologous challenge observed in splenectomized calves inoculated with lyophilised plasma from infected animal

Immunization
Purnell, R. E.; Brocklesby, D. W.; and Sellwood, S. A., 1973, Isotopes and Radiation Parasitol. III, 169-171
Babesia major-infected bovine erythrocytes, ^{60}Co-irradiation and subsequent injection into splenectomized calves, irradiation at 30 or 50 kR appeared to destroy virulence without altering immunogenicity but results must be interpreted with caution because of the presence of Eperythrozoon tuomii in blood of calves after challenge

Immunization
Radley, D. E.; et al., 1975, Vet. Parasitol., v. 1 (1), 35-41
Bos taurus, chemoprophylactic (oxytetracycline) immunization against Theileria parva (Muguga) or each of 5 recently-isolated theilerial strains (4 T. parva and 1 T. lawrencei), response to homologous and heterologous challenge

Immunization
Radley, D. E.; et al., 1975, Vet. Parasitol., v. 1 (1), 43-50
Bos taurus immunized either by chemoprophylaxis (oxytetracycline) or sub-lethal infection against various strains of Theileria lawrencei or T. parva, response to homologous and heterologous challenge

Immunization
Radley, D. E.; et al., 1975, Vet. Parasitol., v. 1 (1), 51-60
Bos taurus, chemoprophylactic (oxytetracycline) immunization using a combination of theilerial strains (Theileria parva and T. lawrencei), response to challenge better than animals immunized with only 1 or 2 strains

Immunization
Rajasekariah, G. R.; and Howell, M. J., 1977, J. Helminthol., v. 51 (4), 289-294
Fasciola hepatica, recovery of juveniles from various sites in immune and control rats, gut as barrier to metacercariae of challenge infection

Immunization
Ramachandran, C. P., 1975, Kajian Vet., v. 7 (1), 31-38
helminths, immunization with radiation attenuated vaccines, review

Immunization
Ranatunga, P.; and Wanduragala, L., 1972, Brit. Vet. J., v. 128 (1), 9-18
Babesia bigemina, Anaplasma centrale, premunization of Jersey cattle imported to Ceylon from New Zealand, reactions and haematology

Immunization
Rao, Y. V. B. G.; Mehta, K.; and Subrahmanyam, D., 1977, Exper. Parasitol., v. 43 (1), 39-44
Litomosoides carinii, albino rats, effects of irradiation on development of infective larvae, immunization with irradiated infective larvae, immune response in vaccinated animals, effect of irradiation on microfilariae, effect of immunization with irradiated microfilariae

Immunization
Reeves, J. D. III; and Swift, B. L., 1977, Vet. Med. and Small Animal Clin., v. 72 (5), 911-914
Anaplasma marginale, transmission to cow via vaccination needle first used to inoculate a carrier cow

Immunization
Reisen, W. K.; and Hillis, T. C., 1975, J. Parasitol., v. 61 (5), 937-940
Plasmodium berghei, failure to protect mice with footpad injections of killed parasites incorporated in complete Freund's adjuvant, possible explanations for failure to immunize

Immunization
Richards, W. H. G., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 279-280
Plasmodium spp., possible immunization against sporozoite challenge, review, symposium presentation

Immunization
Richards, W. H. G.; et al., 1977, Parasitology, v. 74 (2), 191-198
Plasmodium knowlesi, merozoite vaccination of Macaca mulatta, immunity to sporozoite (mosquito-transmitted) challenge even if challenge strain was different from that used for vaccination, implications for development of human malaria vaccine

Immunization
Richards, W. H. G.; and Latter, V. S., 1977, Parasitology, v. 75 (2), xxix-xxx [Abstract]
Plasmodium gallinaceum, chicks, immunization

Immunization
Richey, E. J.; et al., 1977, Am. J. Vet. Research, v. 38 (2), 169-170
Anaplasma marginale, cattle, resistance after chlortetracycline elimination of latent infections is similar to that after killed-antigen vaccination of animals with no record of infection

Immunization
Rickard, M. D.; and Adolph, A. J., 1976, Vet. Parasitol., v. 1 (4), 389-392
calves vaccinated with antigens collected during in vitro cultivation of larval Taenia ovis, T. hydatigena, or T. saginata, resistance to subsequent challenge with T. saginata

Immunization
Rickard, M. D.; and Adolph, A. J., 1977, Parasitology, v. 75 (2), 183-188
Taenia ovis, lambs, successful vaccination using antigens collected during short-term in vitro incubation of activated oncospheres

Immunization
Rickard, M. D.; Adolph, A. J.; and Arundel, J. H., 1977, Research Vet. Sc., v. 23 (3), 365-367
Taenia saginata, pregnant cows vaccinated with culture antigens conferred passive immunity on their calves via colostrum, these calves were themselves vaccinated with culture antigen at 8 to 10 weeks of age and showed strong immunity to challenge infection

Immunization
Rickard, M. D.; Boddington, E. B.; and McQuade, N., 1977, Research Vet. Sc., v. 23 (3), 368-371
Taenia ovis, pregnant ewes vaccinated with culture antigens conferred passive immunity on their lambs via colostrum; single vaccination with culture antigens stimulated high level of immunity which persisted for at least 12 months in lambs

Immunization
Rickard, M. D.; and Coman, B. J., 1977, Internat. J. Parasitol., v. 7 (4), 257-267
Taenia hydatigena, T. ovis, T. pisiformis, rabbits, cross immunity, penetration of oncospheres into host intestinal epithelium, degree of development in host liver following oral infection with eggs, enhancement of T. pisiformis challenge infection following vaccination with T. ovis culture antigen

Immunization
Rickard, M. D.; and Katiyar, J. C., 1976, Parasitology, v. 72 (3), 269-279
Taenia pisiformis, partial purification of antigens collected during in vitro cultivation, differential performance in intradermal skin test and rabbit immunization tests suggests that protective antigens and those provoking cell-mediated reactions may be different ones

Immunization
Rickard, M. D.; White, J. B.; and Boddington, E. B., 1976, Austral. Vet. J., v. 52 (5), 209-214
oral challenge with Taenia ovis eggs using 3 levels of pasture contamination, lambs, immunization with T. ovis culture antigen prevented establishment of new cysticerci better than previous natural exposure but failed to stimulate complete immunological response, presence of T. hydatigena in lambs did not prevent subsequent infection with T. ovis

Immunization
Rieckmann, K. H.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (3), 258-259 [Letter]
Plasmodium falciparum, sporozoite induced immunity in human using infected irradiated mosquitoes

Immunization
Rietschel, G., 1975, Ztschr. Parasitenk., v. 47 (4), 283-297
Oestromyia leporina, hatching, mode of infection of Microtus arvalis, larval development, migration within host, duration of larval stages, perforation of skin; partial immunization against new infection

Immunization
Ristic, M., 1976, Vet. Parasitol., v. 2 (1), 31-47
intracellular blood protista: intraerythrocytic behavior, transfer, and circulatory clearance; survival and development within macrophages; persistence of organism in immunologically hostile host; immune responses and protection; serodiagnosis; vaccination

Immunization
Ristic, M.; and Carson, C. A., 1977, Advances Exper. Med. and Biol., v. 93, 151-188
bovine anaplasmosis, immunoprophylaxis, review: Anaplasma marginale, biologic properties, antigenic and serologic studies, persistence in immunologically hostile host, various immunogens, immune responses to inactivated A. marginale vaccines, immune response to live attenuated and virulent A. marginale, vaccination studies with attenuated A. marginale, proposed mechanism of protection induced by this vaccine, statistical analysis, application for prevention of anaplasmosis

Immunization
Roberts-Thomson, I. C.; et al., 1976, J. Immunol., v. 117 (5), pt. 2, 2036-2037
Giardia muris, mice, prior infection results in resistance to subsequent challenge

Immunization
Robson, J.; et al., 1977, Trop. Animal Health and Prod., v. 9 (4), 219-231
East Coast fever immunization of Zebu cattle with 3 isolates of T. parva, natural challenge of T. parva and T. mutans, some protection: Uganda

Immunization
Rose, J. H., 1976, Research Vet. Sc., v. 21 (1), 76-78
immunization of lambs using metabolites from Ostertagia circumcincta grown in vitro and living worms at various stages of development, degree of protection shown by worm burdens, worm lengths, and faecal worm egg counts

Immunization
Rose, M. E., 1976, Vet. Rec., v. 98 (24), 481-484
poultry coccidiosis, immunity and prospects for immunoprophylaxis, review

Immunization
Rose, M. E., 1977, Exper. Parasitol., v. 42 (1), 129-141
Eimeria tenella, chickens injected in wattle with different antigens, skin hypersensitivity measured at intervals throughout immunization by infection and also after injection of antigens in Freund's complete adjuvant, attempted transfer of skin hypersensitivity with serum or cells, correlation of skin hypersensitivity with in vitro tests

Immunization
Rose, M. E.; and Hesketh, P., 1976, Parasitology, v. 73 (1), 25-37
Eimeria maxima, determination of life-cycle stages which induce protective immunity (second generation schizont probably most concerned), stages affected by immune response (sexual stages most susceptible), chickens

Immunization
Rothwell, T. L. W.; and Griffiths, D. A., 1977, J. Parasitol., v. 63 (4), 761-762
Trichostrongylus colubriformis, kinetics of expulsion from previously uninfected, reinfected, and vaccinated guinea pigs compared

Immunization
Ruitenberg, E. J.; and Steerenberg, P. A., 1976, J. Parasitol., v. 62 (1), 164-166
Trichinella spiralis, rats, immunization with newborn larvae, challenge with newborn larvae, significant decrease in yield of muscle larvae in immunized challenged rats compared with challenged control rats

Immunization
Ruskin, J.; and Remington, J. S., 1971, J. Reticuloendothel. Soc., v. 9 (5), 465-479
mice immunized with Toxoplasma vaccine and adjuvant are protected against challenge with Listeria

Immunization
Rybnikar, A., 1975, Acta Vet. Brno, v. 44 (4), 385-391
Dictyocaulus filaria, experimentally infected lambs used as donors for obtaining larvae for preparation of radiation vaccine; amount of larvae excreted dependent upon body mass and age of lambs, total dose of larvae and season of infestation

Immunization
Ryu, E., 1975, Taiwan J. Vet. Med. and Animal Husb. (27), 6-11
Trypanosoma evansi, mice, killed vaccines, various preparations, some protection

Immunization
Sadun, E. H.; et al., 1972, Parassitologia, v. 14 (1), 25-28
Trypanosoma congolense, irradiated forms immunizing mice, dogs and cattle; T. rhodesiense, irradiated forms immunizing mice and rats; irradiated human strain of T. rhodesiense immunizing Macaca mulatta

Immunization
Saul, K. W.; and Kreier, J. P., 1977, Tropenmed. u. Parasitol., v. 28 (3), 302-318
Plasmodium berghei-infected rats (exper.), immunization with antigens of a sonically freed preparation of erythrocytic parasites rich in merozoites, evaluation in rats of 3 age groups and of vaccine with and without adjuvants, freeze-thawed freed parasites did not lose antigenicity when stored up to 2 weeks

Immunization
Schenkel, R. H.; et al., 1975, J. Parasitol., v. 61 (3), 549-550
Plasmodium knowlesi, rhesus monkeys, immunization with lyophilized antigen plus Adjuvant 65 and BCG afforded same protection as antigen plus Freund's Complete Adjuvant, results suggest important role for cell-mediated immunity in vaccine-induced protection against malaria

Immunization
Schnur, L. F., 1976, Ann. Trop. Med. and Parasitol., v. 70 (3), 371-373
Leishmania tropica, attempted vaccination of Syrian hamsters using live vaccine at low concentrations

Immunization
Schreuder, B. E. C.; et al., 1977, Tropenmed. u. Parasitol., v. 28 (1), 26-34
Theileria parva, immunization of cattle using an infection and treatment method; attempted immunization against pathogenic T. mutans using an apathogenic strain

Immunization
Seah, S. K. K.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 63-69
Trypanosoma cruzi, acute infection in exper. rhesus monkeys, vaccination with killed extract of cultural forms produced circulating antibodies and induced delayed hypersensitivity but monkeys still developed sustained parasitemia, changes in IgM and other hematologic responses

Immunization
Segura, E. L.; et al., 1976, J. Parasitol., v. 62 (1), 131-133
Trypanosoma cruzi, homogenate prepared by compression-decompression technique, protective activity of various subcellular fractions, flagellar fraction most active, effective immunization more closely related to schedule than to dose, mice

Immunization
Segura, E. L.; et al., 1977, J. Protozool., v. 24 (4), 540-543
Trypanosoma cruzi epimastigotes, method for isolation of membrane and flagellar fractions, description of ultrastructural characteristics and antigenic activity, protective activity against lethal challenge doses of trypomastigotes is strongly associated with the flagellar fraction

Immunization
Seitz, H. M., 1975, Tropenmed. und Parasitol., v. 26 (4), 417-425
Plasmodium berghei, strain K 173 in isogenic mouse strains (exper.), infection course, immunization by intermittent suppression of parasite multiplication by maintaining mice on milk diets of varying lengths, F1-hybrids most resistant and immunization attempts most successful with this strain

Immunization
Sewell, M. M. H.; and Gallie, G. J., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 187-193
Taenia saginata, calves, vaccination

Immunization
Sheffield, H. G.; and Melton, M. L., 1976, Am. J. Trop. Med. and Hyg., v. 25 (3), 379-383
Toxoplasma gondii, intestinal development in cats, effect of combined pyrimethamine and sulfadiazine treatment, prolonged prepatent period, shortened patent period, inhibition of oocyst excretion, infection induced immunity to oocyst-producing reinfection in both control and treated cats

Immunization
Siddiqui, W. A., 1977, Science (4301), v. 197, 388-389
Plasmodium falciparum, successful immunization of Aotus trivirgatus

Immunization
Silverman, P. H., 1970, Immun. Parasitic Animals (Jackson, Herman and Singer), v. 2, 1165-1185
vaccination against parasites, progress and problems

Immunization
Smith, M. A.; and Clegg, J. A., 1976, Parasitology, v. 73 (1), 47-52
Schistosoma mansoni, Mesocricetus auratus of WO vs. LGN strains, wide difference in level of acquired immunity

Immunization
Smith, M. A.; Clegg, J. A.; and Webbe, G., 1976, Parasitology, v. 73 (1), 53-64
Schistosoma mansoni, S. haematobium, hamsters, substantial cross-immunity, detection of common surface antigens

Immunization
Smith, M. W., 1977, PANS, v. 23 (1), 27-32
Babesia bigemina, Anaplasma marginale, immunization of susceptible imported cattle using whole blood inoculations from infected donor cattle: Trinidad, imported from Canada

Immunization
Smith, W. D., 1977, Research Vet. Sc., v. 22 (1), 128-129
Haemonchus contortus, sheep immunized with larval antigens, stimulation of serum and mucus IgG antibody response, no IgA antibody response, no protection against challange infection

Immunization
Smrkovski, L. L.; and Larson, C. L., 1977, Infect. and Immun., v. 16 (1), 249-257
Leishmania donovani, BALB/c mice, BCG immunization, prophylactic and therapeutic effect, influence of timing and of route of injection

Immunization
Sokolic, A.; et al., 1976, Brit. Vet. J., v. 132 (4), 416-422
chickens, single immunizing oral dose of irradiated oocysts of Eimeria brunetti, E. necatrix, E. tenella protects against severe simultaneous challenge with these three spp.

Immunization
Soltys, M. A., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (3), 309-322
immunization against protozoan diseases of animals, review

Immunization
Soulsby, E. J. L., 1977, Proc. Helminth. Soc. Washington, v. 44 (1), 28-43
role of host response in parasite control: host-parasite specificity; evasion of host response by parasites; utilization of host response by passive or active immunization, review

Immunization
Souza, M. do C.; et al., 1974, J. Protozool., v. 21 (4), 579-584
living culture forms of Leptomonas pessoai cross-protected mice against Trypanosoma cruzi challenge infection, circulating antibodies detected in immunized mice by immunodiffusion, passive haemagglutination, complement fixation, and antibody binding assay which cross-reacted with T. cruzi extracts, cellular immune response indicated by leucocyte migration inhibition

Immunization
Souza, M. do C. M.; and Roitman, I., 1971, Rev. Microbiol., S. Paulo, v. 2 (4), 187-189
Trypanosoma cruzi, high degree of protection in mice previously immunized with vaccine of Leptomonas pessoai (living suspension)

Immunization
Spitalny, G. L.; et al., 1977, Exper. Parasitol., v. 42 (1), 73-81
Plasmodium berghei, mice, effect of T cell deprivation on sporozoite immunization, eliminated or reduced capacity to develop protection, sporozoite-neutralizing activity, or circumsporozoite antibodies, capacity fully restored by giving thymocytes prior to immunization, data demonstrate T cell dependence of sporozoite-induced immunity

Immunization
Spitalny, G. L.; Rivera-Ortiz, C.-I.; and Nussenzweig, R. S., 1976, Exper. Parasitol., v. 40 (2), 179-188
Plasmodium berghei, mice, effect of splenectomy before and after immunization on development and manifestation of sporozoite-induced immunity, monitoring of protective immunity and production of antisporozoite antibodies (circumsporozoite precipitate and sporozoite neutralization activity), effect of passive transfer of hyperimmune sera

Immunization
Srivastava, P. S.; and Sharma, N. N., 1976, Pantnagar J. Research, v. 1 (1), 70-72
Theileria annulata, cross-bred calves, infectivity and immunogenicity of infected washed bovine erythrocytes, calves highly susceptible to tick challenge (infected Hyalomma anatolicum)

Immunization
Srivastava, P.S.; and Sharma, N.N., 1977, Vet. Parasitol., v. 3 (1), 23-31
Theileria annulata, calves, immunoprophylaxis using schizonts attenuated by cobalt-60 irradiation in bovine lymphocytes

Immunization
Srivastava, P. S.; and Sharma, N. N., 1977, Vet. Parasitol., v. 3 (2), 183-188
Theileria annulata in salivary gland suspensions of Hyalomma anatolicum, attenuation by cobalt-60 irradiation, further investigations needed to test suitability of technique for immunoprophylaxis

Immunization
Stadtsbaeder, S.; and Nguyen, B. T., 1977, Ann. Immunol., v. 128C (1-2), 149-150
Toxoplasma gondii, susceptibility of nude mice to infection was same as controls, vaccination of nude mice conferred incomplete immunity

Immunization
Stadtsbaeder, S.; Nguyen, B. T.; and Calvin-Preval, M. C., 1975, Ann. Immunol., v. 126C (4), 461-474
Toxoplasma gondii, mice, immunization with living parasites concomitant to cotrimoxazol treatment, phagocytosis/penetration and intracellular multiplication of Toxoplasma in normal or immune macrophages in the absence or presence of specific antibodies

Immunization
Stankiewicz, M., 1969, Acta Parasitol. Polon., v. 17 (1-19), 147-159
Strongyloides papillosus, sheep, repeated infections with sheep and rabbit strains, egg production, hematocrit, body weight; lower pathogenicity of rabbit-adapted strains, high immunity produced by both strains

Immunization
Stormont, C. J., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 81 [Abstract]
prognosis of neonatal isoerythrolysis based on blood types of cows and bulls taking into account specificity and titers of isoantibodies engendered in cows as result of vaccination with Anaplaz

Immunization
Stromberg, B. E.; and Soulsby, E. J. L., 1976, Vet. Parasitol., v. 2 (2), 197-208
Ascaris suum, guinea pigs, capacity of various worm developmental stages to induce protective immune response using various routes of inoculation, antibody titer as assessed by indirect hemagglutination was not correlated with degree of protection

Immunization
Stromberg, B. E.; and Soulsby, E. J. L., 1977, Vet. Parasitol., v. 3 (2), 169-175
Ascaris suum, guinea pigs, heterologous resistance induced by Toxocara canis and Ancylostoma caninum but not by Haemonchus contortus, Caenorhabditis briggsae, or Turbatrix aceti

Immunization
Stromberg, B. E.; and Soulsby, E. J. L., 1977, Internat. J. Parasitol., v. 7 (4), 287-291
Ascaris suum, guinea pigs, immunization with soluble antigens (extracts or excretory-secretory products of adult and larval stages)

Immunization
Styles, T. J., 1976, J. Protozool., v. 23 (2), 31A [Abstract]
Trypanosoma lewisi, rats, immunization by implantation of organisms into diffusion chambers in peritoneal cavity

Immunization
Subramanian, G.; and Singh, K. S., 1973, Isotopes and Radiation Parasitol. III, 67-71
Ascaridia galli, one-week old chicks, attempted immunization with irradiated vs. normal eggs

Immunization
Swietlikowski, M., 1969, Acta Parasitol. Polon., v. 16 (1-19), 1968-1969, 101-115
Dictyocaulus viviparus, calves, immunization, normal or X-ray inactivated larvae, numbers of infective larvae, levels of complement fixing and precipitating antibodies, course of infection, precipitating antibodies appearing later than complement fixing antibodies and probably produced by mature parasites

Immunization
Swietlikowski, M., 1969, Acta Parasitol. Polon., v. 17 (1-19), 89-94
Dictyocaulus viviparus, calves, immunization by subcutaneous injection of larvae; infective larvae produce immunity and antibodies in sera; uninfective larvae immunize but produce no antibodies

Immunization
Swietlikowski, M., 1969, Acta Parasitol. Polon., v. 17 (1-19), 95-101
Dictyocaulus viviparus, calves infected orally by larvae refrigerated 3 or 8 months; young larvae produce more severe disease; both ages cause similar immunological response; implications for overwintering, epizootiology, and self-cure

Immunization
Szarfman, A.; et al., 1977, Tropenmed. u. Parasitol., v. 28 (3), 333-341
Trypanosoma cruzi-infected mice (exper.), effect of previous inoculation by epimastigotes of Trypanosoma cruzi upon the resistance of mice against challenge with trypomastigotes; survival rate and parasitemia dependent on previous number of epimastigotes inoculated and on number of trypomastigotes used for challenge; evidence suggests that cell-mediated anamnestic response may be triggered by reinfection

Immunization
Taylor, M. G.; et al., 1976, J. Helminth., v. 50 (1), 1-9
Schistosoma mattheei, sheep, vaccination using irradiated homologous cercariae or schistosomula or heterologous (S. mansoni) infection, results indicated effective immunization not dependent on presence of mature worm infection or on cercarial penetration of skin

Immunization
Taylor, M. G.; et al., 1976, J. Helminth., v. 50 (3), 215-221
baboons, attempts to immunize against Schistosoma mansoni using irradiated S. mansoni cercariae and schistosomula and non-irradiated S. rodhaini cercariae, no significant protection

Immunization
Taylor, M. G.; et al., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 17-18 [Demonstration]
review of trial methods being used to develop live vaccine against schistosomiasis for human and veterinary use

Immunization
Teixeira, A. R. L., 1977, Advances Exper. Med. and Biol., v. 93, 243-280
Trypanosoma cruzi, immunoprophylaxis, review: life cycle in vector and host; clinical manifestations of Chagas' disease; mechanisms of resistance (natural and acquired immunity, humoral and cell-mediated); autoimmunity; antigenic structure; live vaccines; dead vaccines; perspectives for further studies

Immunization
Tewari, H. C.; Dhar, D. N.; and Singh, K. S., 1973, Isotopes and Radiation Parasitol. III, 43-50
Dictyocaulus filaria, sheep, incidence, laboratory and field trials with gamma-irradiated vaccine, high degree of protection conferred, no correlation between antibody response and ability to withstand challenge: Kashmir, India

Immunization
Tewari, H. C.; and Singh, K. S., 1977, J. Parasitol., v. 63 (5), 945-946
Schistosoma incognitum, dogs, successful vaccination with irradiated cercariae

Immunization
Todorovic, R., 1976, Vet. Parasitol., v. 2 (1), 97-109
Babesia spp., cattle, review: serodiagnosis, immunization (sterile immunity; premunition), chemoprophylaxis with imidocarb, vectors: Colombia

Immunization
Todorovic, R. A.; and Gonzalez, E. F., 1975, Rev. Inst. Colomb. Agropec., v. 10 (1), 87-99
Babesia bigemina, B. argentina, cattle, killed vaccine produced from infected erythrocytes and plasma, high degree of sterile immunity produced in calves: Colombia

Immunization
Todorovic, R. A.; and Gonzalez, E. F., 1975, Rev. Inst. Colomb. Agropec., v. 10 (2), 243-254
Babesia bigemina, B. argentina, Holstein-Friesian calves immunized with blood from carrier animals or from inoculated, splenectomized calves, challenge by Babesia-infected Boophilus microplus, weight gain records; better results with carrier blood

Immunization
Todorovic, R. A.; Gonzalez, E. F.; and Adams, L. G., 1973, Trop. Animal Health and Prod., v. 5 (4), 234-245
Babesia bigemina, B. argentina, calves, sterile immunity using killed-Babesia vaccine, field-borne challenge with Boophilus microplus infected ticks; possible important role in mechanism of acquired immunity

Immunization
Tomanek, J., 1974, Acta Vet. Brno, v. 43 (1), 47-52
guinea-pigs orally infected with irradiated and non-irradiated Dictyocaulus filaria larvae, development of resulting larvae recovered from lungs; decreased larval counts with increased X-ray exposure, greater survival of female worms, implications for use in immunization

Immunization
Tomanek, J.; and Franek, M., 1975, Acta Vet. Brno, v. 44 (4), 393-399
Dictyocaulus filaria, presence of complement-fixing antibodies in immunoglobulin fractions of sera from lambs during primary and secondary response to infection with non-irradiated and X-irradiated larvae

Immunization
Tr. Roy. Soc. Trop. Med. and Hyg., 1976, v. 70 (2), 114-129
African and South American trypanosomiasis, 16th seminar on current status (epidemiology, chemotherapy, immunological research and problems of immunization, infection in domestic animals, vector control)

Immunization
Tromba, F. G.; and Romanowski, R. D., 1976, J. Parasitol., v. 62 (2), 250-255
Stephanurus dentatus, swine, evaluation as vaccines of 9 somatic antigens derived from excretory gland cells

Immunization
Uilenberg, G.; et al., 1976, Tropenmed. u. Parasitol., v. 27 (3), 329-336
Theileria parva, cattle immunized by infection and treatment method using 3 strains of T. parva survived exposure to natural tick infestation; all controls died from T. parva infections, 3 immunized cattle died from T. mutans or Babesia bigemina infection but none from T. parva

Immunization
Varma, T. K.; and Rao, B. V., 1974, Indian Vet. J., v. 51 (1), 47-53
Taenia hydatigena, cystic and strobilar stages exposed to various doses of gamma irradiation, growth and development, preliminary immunization experiments, pups, lambs

Immunization
Wagland, B. M., 1975, Austral. J. Agric. Research, v. 26 (6), 1073-1080
Boophilus microplus, responses of previously unexposed Bos taurus and Bos indicus to four infestations with 20,000 tick larvae, concluded that resistance to Boophilus microplus in Bos indicus is an acquired not an innate phenomenon

Immunization
Wagner, G. G.; and Duffus, W. P. H., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 97-107
anti-lymphocyte antibody response in cattle inoculated with Theileria parva- or T. lawrencei-infected lymphoblastoid cell lines, apparently unrelated to specific antibody response to parasite itself, does not appear to either interfere with or enhance development of subsequent immunity to challenge

Immunization
Wakelin, D.; and Lloyd, M., 1976, Parasitology, v. 72 (2), 173-182
Trichinella spiralis, young and older NIH strain mice, dynamics of establishment and expulsion of primary and challenge infections, parameters of immunity must be established for each host strain

Immunization
Webbe, G.; et al., 1976, Ann. Trop. Med. and Parasitol., v. 70 (4), 411-424
Schistosoma haematobium in Papio anubis, development of acquired resistance following immunization with cercariae by percutaneous route and by transplantation of adult worms into mesenteric veins

Immunization
Webbe, G.; and James, C., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 28-29 [Demonstration]; 151-152 [Letter]
Schistosoma haematobium in Papio anubis given trickle infection and then challenged, data provide unequivocal confirmation of development of acquired resistance

Immunization
Weiss, M. L., 1976, Exper. Parasitol., v. 40 (1), 103-111
Plasmodium berghei, mouse strain noninfective but highly immunogenic for Meriones unguiculatus was adapted to M. unguiculatus through serial passage of infected blood, antigenic changes during adaptation, loss of infectivity for mice, different antigens apparently responsible for immunogenicity vs. infectivity, vaccination led to production of some protective antibody but also to blocking and enhancing antibody

Immunization
Wellde, B. T.; et al., 1973, Isotopes and Radiation Parasitol. III, 187-192
Plasmodium berghei, mice, immunizing effect of irradiated parasitized RBC's, effects of various factors on development of resistance (splenectomy before and after immunization; lysis in French pressure cell or by freeze thawing of irradiated parasitized cells; increasing doses of radiation applied to parasitized cells; gluteraldehyde fixation of irradiated parasitized cells)

Immunization
Wells, R. A.; et al., 1977, Exper. Parasitol., v. 41 (2), 472-479
Plasmodium yoelii, inbred model for protective immunization against malaria in BALB/c mice, irradiated blood forms of two lines of 17X strain used as immunogen, "most complete protection of mice against a lethal challenge with malaria parasite in the absence of previous active infection that has, to our knowledge, been thus far reported."

Immunization
Werner, H.; and Egger, I., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (2), 174-180
Toxoplasma gondii, mice, latent or chronic infection protects against fatality from challenge with virulent strain, host may harbor cysts of all strains inoculated irrespective of whether homologous or heterologous strain was used for challenges

Immunization
Wikerhauser, T., 1972, Acta Parasitol. Iugoslavica, v. 3 (1), 41-45
bovine cysticercosis, attempted immunization of calves by intramuscular injection of artificially activated embryos of Taenia saginata or T. hydatigena, review

Immunization
Wikerhauser, T., 1975, Vaccination of cattle against cysticercosis /C. bovis. Final research report. 33 pp., illus.
Taenia saginata, calves, immunizing trials (homologous and heterologous vaccines, passive immunization with homologous antiserum), highest protection against oral challenge observed in calves receiving intramuscular injection of hatched non-attenuated homologous oncospheres; homologous antiserum proved ineffective; indirect fluorescent antibody test, especially micro-IFAT, useful for herd screening of bovine cysticercosis

Immunization
Wikerhauser, T.; et al., 1974, Acta Parasitol Iugoslavica, v. 5 (2), 87-100
Taenia saginata, calves actively immunized with normal oncospheres or attenuated (irradiated) oncospheres; calves passively immunized with homologous antiserum; active immunization gave more protection against challenge infection; serological, biochemical and haematological studies

Immunization
Wikerhauser, T.; et al., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 195-197
Taenia saginata, calves, successful immunization by intramuscular injection of homologous living oncospheres, oncospheres subcutaneously and unhatched eggs by either route unsuccessful

Immunization
Williamson, J.; and Cover, B., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 78-87
Plasmodium falciparum, application of differential sucrose gradient centrifugation to separation and purification of human erythrocytic stages and gametocytes and of nitrogen cavitation for host-cell-free parasite preparation, gel diffusion analyses showed that highly purified infected cell preparations retained precipitinogenic spectrum of original crude preparation, possible use in vaccine preparation

Immunization
Wistar, R.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (4), 632-637
Schistosoma japonicum, rhesus monkeys, induction of anti-immunoglobulin (rheumatoid-factor-like) antibodies, role in immune response unclear, results suggest that immunization protocols designed for humans be carefully examined for potential immunopathological side effects of induced autoimmune responses

Immunization
Young, A. S.; et al., 1977, Vet. Parasitol., v. 3 (4), 283-290
cattle immunized with Theileria lawrencei stabilates from Rhipicephalus appendiculatus either by fortuitous recovery or by chemoprophylaxis with oxytetracycline, survival without signs of clinical disease after prolonged natural challenge to T. lawrencei derived from Syncerus caffer

Immunization
Zahalsky, A. C.; and Weinberg, R. L., 1976, J. Parasitol., v. 62 (1), 15-19
Trypanosoma brucei, inbred rats, humoral response to monomorphic strain during infection, during Berenil cure, after cure, and after rechallenge following drug-induced immunity; contribution of Berenil prophylaxis during refractory period, presence or absence of trypanosome-agglutinating antibodies, class of protective antibodies formed

Immunization
Zeledon, R.; and Alfaro, M., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 416-417 [Letter]
Leishmania braziliensis strain isolated from Lutzomyia ylephiletor and L. shannoni in Costa Rica, data suggest that injection of small numbers may produce abortive infection followed by solid immunity

Immunization
Ziegler, K., 1975, Acta Vet. Brno, v. 44 (1-2), 115-122
Capillaria obsignata, vaccination, chickens, X-irradiated embryonated eggs, safe, effective

Immunization
Zuckerman, A., 1977, Exper. Parasitol., v. 42 (2), 374-446
Plasmodium, immunology, extensive review: immunodiagnosis and seroepidemiology; immunopathology; antigenic analysis; host responses; immunoglobulins; cell-mediated reactions

Immunodiffusion. See Immunity, Precipitation.

Immunoelectrophoresis. See Immunity, Precipitation.

Immunofluorescence
Abdalla, R. E., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, part 1), 1135-1138
human Sudan mucosal leishmaniasis, diagnosis comparing use of immunodiffusion, counterimmunoelectrophoresis, and immunofluorescence

Immunofluorescence
Abioye, A. A., 1976, J. Trop. Med. and Hyg., v. 79 (11), 252-255
Entamoeba histolytica, drug (emetine, metronidazole) and immuno-diagnostic (fluorescent antibody, gel diffusion and latex agglutination tests) resistant amoebic hepatic abscess in man, case report, blood-abscess cavity barrier postulated as possible mechanism for diagnostic failure: Nigeria

Immunofluorescence
Abu Ali, N.; et al., 1976, Vet. Parasitol., v. 1 (4), 309-316
Eimeria tenella, chickens inoculated orally vs. subcutaneously, comparison of circulating antibody response using fluorescent antibody titration

Immunofluorescence
Adam, K. M. G.; et al., 1976, Parasitology, v. 73 (1), 1-11
antibody-positive blood from wild Cervus elaphus produced Babesia infections in splenectomized C. elaphus (also Eperythrozoon infection resembling wenyoni), possible transient deer Babesia infection produced in 1 of 6 bovine calves, indirect fluorescent antibody tests, "Despite their similarities, specific status for B. divergens and the red deer Babesia is probably justified; at present there is insufficient evidence to justify separation of the red deer Babesia from B. capreoli."

Immunofluorescence
Ambroise-Thomas, P., 1975, Maroc Med. (588), v. 55, 130-136
amoebiasis, schistosomiasis, echinococcosis, diagnosis, review

Immunofluorescence
Ambroise-Thomas, P., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (2), 107-112
human parasitic diseases, application of immunofluorescence to diagnosis, therapeutic follow-up of infection and sero-epidemiologic surveys

Immunofluorescence
Ambroise-Thomas, P.; et al., 1973, Nouv. Presse Med., v. 2 (33), 2200 [Letter]
human Entamoeba histolytica, hepatic abscess simulating echinococcal cyst, differential diagnosis and post-therapy evaluations using indirect fluorescent antibody technique

Immunofluorescence
Ambroise-Thomas, P.; et al., 1976, Bull. World Health Organ., v. 54 (4), 355-367
human malaria, extensive sero-epidemiologic survey (6 surveys at 6-month intervals using peripheral blood examination and fluorescent antibody technique) to evaluate past and present status of malarial infection in Tunisia

Immunofluorescence
Ambroise-Thomas, P.; and Andrews, P., 1976, Tropenmed. u. Parasitol., v. 27 (4), 483-488
Schistosoma mansoni, mice, development of fluorescent antibodies directed against larval stages, eggs, and adults, stronger serologic reaction in bisexual vs. unisexual infections, anti-male antibodies present in higher concentration than anti-female antibodies

Immunofluorescence
Ambroise-Thomas, P.; and Kien Truong, T., 1974, Ann. Trop. Med. and Parasitol., v. 68 (4), 435-452
filariasis, human, diagnosis, indirect fluorescent antibody test on sections of adult filariae (Dipetalonema viteae, Dirofilaria immitis, Wuchereria bancrofti, Loa loa, Onchocerca volvulus), possible application to epidemiological surveys and post-therapeutic surveillance

Immunofluorescence
Ambroise-Thomas, P.; and Meyer, H. A., 1975, Acta Trop., v. 32 (4), 359-364
Entamoeba histolytica, hepatic amoebiasis, human, diagnosis, agglutination and indirect fluorescent antibody tests, clinical trials with Tinidazole (Fasigyn), well tolerated with encouraging results but some cases required supplementary treatment with metronidazole: region of Kilimanjaro, northeast Tanzania

Immunofluorescence
Arnaudov, D.; et al., 1976, Vet. Med., Praha, v. 49, v. 21 (6), 375-384
Toxoplasma gondii, sheep, immunoepizootiological study by hemagglutination, indirect fluorescence, and microprecipitation reaction in agar gel; higher incidence in aborting ewes and in sheep in montane regions: Bulgaria; Czechoslovakia

Immunofluorescence
Aryeetey, M. E.; and Piekarski, G., 1976, Ztschr. Parasitenk., v. 50 (2), 109-124
indirect immunofluorescent test reliable in detecting Sarcocystis infection

Immunofluorescence
Asch, H. L.; and Dresden, M. H., 1977, J. Parasitol., v. 63 (1), 80-86
Schistosoma mansoni, effects of zinc on viability and morphology of cercariae and schistosomules, on cercarial staining in indirect immunofluorescence test, and on cercarial penetration of skin, findings suggest possible relationships of zinc to host resistance to and control of schistosomiasis

Immunofluorescence
Averbach, S.; et al., 1975, Medicina, Buenos Aires, v. 35 (5), 469-476
Toxoplasma gondii, human, diagnostic differentiation of acute vs. chronic infection, direct agglutination test with and without treatment of sera with 2-mercaptoethanol is convenient tool for detecting only specific IgM antibody response at early stage of infection, comparison with immunofluorescence

Immunofluorescence
Barry, D., 1975, J. Protozool., v. 22 (3), 49A [Abstract]
Trypanosoma rhodesiense, "capping" of surface antigens, specific and temperature-dependent movement of variation antigens, capping in some cases is an artefact of the indirect fluorescent method

Immunofluorescence
Bartur, P.; and Lahav, M., 1973, J. Protozool., v. 20 (4), 531
Toxoplasma gondii, human, routine testing by indirect fluorescent antibody method

Immunofluorescence
Bedrnik, P.; and Jurkovic, P., 1977, J. Protozool., v. 24 (4), 48A-49A [Abstract]
Eimeria tenella, chickens, comparison of two different antigens for indirect immunofluorescent test

Immunofluorescence
Behforouz, N.; Rezai, H. R.; and Gettner, S., 1976, Ann. Trop. Med. and Parasitol., v. 70 (3), 293-301
Leishmania spp., immunofluorescence used to detect antibodies in humans, mice and guinea pigs using heterologous and homologous antigens; immunoelectrophoretic identification of active fraction of guinea pig antibody

Immunofluorescence
Benex, J., 1972, Medecine et Malad. Infect., v. 2 (10), 351-357
quantitative immunofluorescence in serologic diagnosis of human parasitoses, guidelines for use

Immunofluorescence
Benex, J., 1973, Medecine et Malad. Infect., v. 3 (7), 301-304
Pneumocystis carinii, diagnosis of human infection using indirect fluorescent antibody technique

Immunofluorescence
Boonpucknavig, S.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 410-415
Plasmodium berghei berghei, chronological development in tissue of infected mice described by means of immunofluorescent and histological study, change in morphological appearance of immunofluorescent-stained parasites from early to late stage of infection

Immunofluorescence
Boonpucknavig, S.; et al., 1976, J. Nat. Research Council Thailand, v. 8 (1), 51-66
Plasmodium berghei, mice, immune complex nephritis, clinical, histopathological and immunofluorescent studies

Immunofluorescence
Bordjoski, A.; et al., 1972, Acta Parasitol. Iugoslavica, v. 3 (2), 129-135
Sarcocystis tenella, improved method for preparation of antigen for indirect fluorescent antibody test

Immunofluorescence
Bordjoski, A.; and Conic, V., 1973, Acta Parasitol. Iugoslavica, v. 4 (2), 99-105
Sarcocystis tenella, preparation of antigens for complement fixation test and fluorescent antibody test, survey of humans, low number of low titre positive reactions not considered conclusive proof that sarcosporidiosis does not occur in humans

Immunofluorescence
Bos, H. J.; van der Kaay, H. J.; and van den Eijk, A. A., 1977, Nederl. Tijdschr. Geneesk., v. 121 (7), 287-290
Entamoeba histolytica, evaluation and comparison of counterimmunoelectrophoresis, enzyme-linked immunosorbent assay and fluorescent antibody techniques for human diagnosis

Immunofluorescence
Bretana, A.; and O'Daly, J. A., 1976, Internat. J. Parasitol., v. 6 (5), 379-386
Trypanosoma cruzi, uptake of proteins from fetal calf serum needed for growth, methods for labelling and subsequent localization (immunofluorescence; autoradiography; colloidal gold)

Immunofluorescence
Brown, P.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (6), 775-783
Plasmodium, 4 human spp., remote island populations, fluorescent antibody prevalence patterns, comparison with published parasite survey data based on blood smears and medical examinations, evaluation of epidemiological usefulness: New Hebrides; Solomons; Western Carolines (malaria entirely absent); New Guinea

Immunofluorescence
Burridge, M. J.; and Kimber, C. D., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (2), 186-191
Theileria spp. antigens tested against sera from cattle inoculated with wildebeest blood containing Theileria gorgonis or cattle recovered from infection with T. parva, T. lawrencei, or T. mutans, indirect fluorescent antibody test, results show antigenic distinctness of T. gorgonis with only slight degree of cross-reaction with other Theileria spp.

Immunofluorescence
Burridge, M. J.; and Kimber, C. D., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (3), 305-308
Theileria parva, cattle, levels of antibodies in colostrum of dams recovered from exper. East Coast Fever and in the sera of their calves, indirect fluorescent antibody studies

Immunofluorescence
Burridge, M. J.; Kimber, C. D.; and McHardy, N., 1973, Ann. Trop. Med. and Parasitol., v. 67 (2), 191-195
Babesia bigemina, value of dried blood samples as source of antibody for indirect fluorescent antibody test

Immunofluorescence
Buys, J.; and Ruitenberg, E. J., 1977, Trop. and Geogr. Med., v. 29 (2), 205 [Abstract]
Trypanosoma brucei, T. rhodesiense, comparative application of enzyme-linked immunosorbent assay (ELISA) and immunofluorescence for serodiagnosis of human trypanosomiasis; ELISA represents good alternate method particularly suited for mass screening purposes; cross-reaction only in one person in whom antibodies to Leishmania were detected

Immunofluorescence
Calamel, M., 1977, Rec. Med. Vet., v. 153 (5), 343-348
Dicrocoelium lanceolatum, lambs, indirect immunofluorescence diagnosis, 9 weeks earlier response for diagnosis than fecal examination

Immunofluorescence
Callow, L. L.; Quiroga, Q. C.; and McCosker, P. J., 1976, Internat. J. Parasitol., v. 6 (4), 307-310
Babesia argentina, Anaplasma marginale, comparison of strains of each from Australia vs. Bolivia with indirect fluorescent antibody test showed serological identity of the two strains of each parasite, implications for vaccination; since earlier study showed serological identity between B. bovis and B. argentina, the small Babesia of Australia and South America should by priority be called B. bovis

Immunofluorescence
Chalupsky, J.; Vavra, J.; and Bedrnik, P., 1975, J. Protozool., v. 22 (3), 60A-61A [Abstract]
Encephalitozoon cuniculi, laboratory animals, diagnosis with indirect fluorescent antibody test

Immunofluorescence
Chantler, S.; et al., 1976, J. Immunol. Methods, v. 13 (3-4), 367-380
Toxoplasma gondii, human, sera examined by immunofluorescence for presence of specific IgM and IgG antibodies and for occurrence of anti-immunoglobulin activity both before and after absorption with freeze-dried preparations of protein A-containing Staphylococcus aureus

Immunofluorescence
Chipperfield, E. J.; and Evans, B. A., 1972, Clin. and Exper. Immunol., v. 11 (2), 219-223
Trichomonas vaginalis, influence of local infection on immunoglobulin formation in human endocervix observed using direct fluorescent antibody technique on specimens obtained by needle biopsy

Immunofluorescence
Claus, G. E.; Christie, E.; and Dubey, J. P., 1977, J. Parasitol., v. 63 (2), 266
Toxoplasma gondii, 1000 cats, prevalence of antibody, comparison of indirect fluorescent antibody method with dye test: humane society, Columbus, Ohio

Immunofluorescence
Clinard, E. H., 1975, Am. J. Vet. Research, v. 36 (5), 615-618
Trichinella spiralis, swine (exper.), soluble antigen fluorescent antibody test evaluated at intervals from 7 days to 1 year, possibly adequate as mass screening test for surveillance and control of trichinosis in swine

Immunofluorescence
Collins. , W. E.; Lunde, M. N.; and Skinner, J. C., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 412-416
measurement of developing antibodies to Plasmodium vivax comparing results of indirect hemagglutination and indirect fluorescent antibody tests, effects of short-term infections on development and persistence of antibody response and effect of relapse on response

Immunofluorescence
Costa, A. J.; et al., 1977, J. Parasitol., v. 63 (2), 212-218
Toxoplasma gondii, exper. infection of Holstein calves with oocysts or cysts, clinical data, parasitemia, detection of antibody with Sabin-Feldman dye test and indirect immunofluorescent test

Immunofluorescence
Cox, J. C.; et al., 1977, Lab. Animal Sc., v. 27 (2), 204-209
establishment of Encephalitozoon cuniculi-free rabbit colony, serological screening by immunofluorescence, isolation of seronegative rabbits, elimination of later positive ones

Immunofluorescence
Cox, J. C.; and Gallichio, H. A., 1977, Research Vet. Sc., v. 22 (1), 50-52
Nosema cuniculi, rabbits, serological diagnosis, indirect immunofluorescence test, compared with histopathological methods, no cross-reactivity between N. cuniculi and Toxoplasma gondii

Immunofluorescence
Cox, J. C.; Walden, N. B.; and Nairn, R. C., 1972, Research Vet. Sc., v. 13 (6), 595-597
Nosema cuniculi, rabbits (urine, kidneys), clinical aspects and mortality, presumptive diagnosis using immunofluorescence technique: laboratory colony

Immunofluorescence
Crider, C. R.; and Meade, T. G., 1975, Proc. Helminth. Soc. Washington, v. 42 (1), 21-24
Posthodiplostomum minimum, antibody-antigen precipitin tests and immunofluorescence microscopy as useful methods for studies on origin of cyst wall, indicate both fish and parasite origin for total wall

Immunofluorescence
Daoc; et al., 1972, Nouv. Presse Med., v. 1 (31), 2049-2050 [Letter]
diagnosis of human cysticercosis using indirect immunofluorescence and pieces of Taenia solium

Immunofluorescence
Deelder, A. M.; et al., 1977, Exper. Parasitol., v. 41 (1), 133-140
Schistosoma mansoni, human, diagnosis, comparison of immunoperoxidase techniques DASS and ELISA, results at least as specific and sensitive as indirect fluorescent antibody technique and with considerable advantages

Immunofluorescence
Degremont, A. ; and Weiss, N., 1975, Praxis, Bern, v. 64 (18), 553-555
human malarias, evaluation of immunofluorescence as adjunct to diagnostic serology

Immunofluorescence
Denev, I.; and Kolev, M., 1975, Vet. Med. Nauki, v. 12 (1), 97-100
Dictyocaulus filaria, lambs (exper.), diagnosis, immunofluorescence

Immunofluorescence
Dhar, S.; and Gautam, O. P., 1977, Indian J. Animal Sc., v. 47 (11), 720-723
Theileria annulata, cattle (exper.), indirect fluorescent-antibody test, more reliable than blood smear examination for predicting latent Theileria infection

Immunofluorescence
Diesfeld, H. J.; Dutta, S. N.; and Braun-Munzinger, R., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 439-446
Wuchereria bancrofti-endemic area, survey of 225 Indians, microfilaremia, fluorescent antibody titer, clinical manifestations, eosinophilia, immunoglobulin levels: Dhanbad/Asansol, India

Immunofluorescence
Diesfeld, H. J.; and Kirsten, C., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 435-438
filariasis, human, diagnosis, new embedding technique employing 'methacrylate' for preparation of antigen (Dipetalonema viteae) to be used in indirect fluorescent antibody test (tested on onchocerciasis sera from Togo), compared with usual frozen-section method

Immunofluorescence
Diesfeld, H. J.; and Kirsten, C., 1975, Tropenmed. und Parasitol., v. 26 (4), 499-502
Dipetalonema vitae, localization of antigen-antibody reactions in male and female using immunofluorescence and serum from human filariasis patients; possible implications for diagnosis of human infection

Immunofluorescence
Diffley, P.; and Honigberg, B. M., 1977, J. Parasitol., v. 63 (4), 599-606
Trypanosoma congolense, presence, host specificity, and time of accretion of rat plasma components on parasite surface, quantitative indirect fluorescent antibody analysis

Immunofluorescence
Dobson, C.; and Welch, J. S., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (3), 223-228
survey for antibodies against Dirofilaria immitis, Toxocara canis, Ascaris suum, Angiostrongylus cantonensis, A. mackerrasae, in patients with eosinophilia using fluorescent antibody test and passive reversed Arthus test in guinea pigs; D. immitis implicated as etiologic agent of human eosinophilic meningitis: Australia

Immunofluorescence
Doby, J. M.; and Kombila-Favry, M., 1974, Medecine et Malad. Infect., v. 4 (7), 397-401
human toxoplasmosis, immunofluorescence and agglutination and detection of immunoglobulin M, most reliable seroimmunologic tests for diagnosis

Immunofluorescence
Donnelly, J.; Joyner, L. P.; and Crossman, P. J., 1972, Research Vet. Sc., v. 13 (6), 511-514
Babesia divergens, cattle, natural outbreak in dairy herd monitored by indirect immunofluorescent antibody test, quantitative estimate of incidence rate of infection, level of infection correlated with period at risk, high incidence, low morbidity, no evidence that amicarbalide protected prophylactically: Sussex

Immunofluorescence
Dooris, P. M.; and McGhee, R. B., 1976, J. Protozool., v. 23 (3), 433-437
Crithidia harmosa, C. fasciculata, differentiation by immunological methods (agglutination, indirect fluorescent antibody) and by polyacrylamide gel slab electrophoresis (number and relative mobilities of component protein bands)

Immunofluorescence
Dranga, A.; et al., 1976, Bacteriol., Virusol., Parazitol., Epidemiol., Bucuresti, v. 21 (4), 219-225
immunoepidemiologic survey of family members after birth of child with congenital toxoplasmosis

Immunofluorescence
Druilhe, P.; and Monjour, L., 1975, Compt. Rend. Soc. Biol., Paris, v. 169 (4), 1089-1095
human malaria, serodiagnosis, gel diffusion test using Plasmodium falciparum and P. berghei antigens prepared by different methods, compared with indirect immunofluoresence

Immunofluorescence
Dujsin, M.; and Pasini, J., 1972, Medicinar, Zagreb, v. 23 (1-2), 9-19
extensive clinical review of human Toxoplasma gondii, life cycle, transmission via infected meat, diagnosis, prophylaxis

Immunofluorescence
Dumas, M.; Girard, P. L.; and Gentilini, M., 1976, Medecine Afrique Noire, v. 23 (2), 89-93
human filariasis, invasion of central nervous system by microfilaria, diagnosis by immunofluorescence and finding of antibodies in spinal fluid

Immunofluorescence
Du Plessis, J. L.; and van Wyk, J. A., 1972, Onderstepoort J. Vet. Research, v. 39 (3), 179-180
Schistosoma mattheei, sheep (exper.), cattle (nat. and exper.), detection of antibodies by indirect immunofluorescence, no correlation between titre and worm burden, no cross reactions with other helminths, no false negative results; antigen-antibody complex localized in cercarial cuticle

Immunofluorescence
Durham, K. A.; Corstvet, R. E.; and Hair, J. A., 1976, J. Parasitol., v. 62 (6), 1000-1002
fluorescent antibody technique suitable for identification of Theileria cervi in salivary glands or oral secretions of Amblyomma americanum (laboratory infected and field collected), high infection rates of field collected ticks indicate potentially a very efficient vector: eastern Oklahoma

Immunofluorescence
Durosoir, J. L.; Thabaut, A.; and Laverdant, C., 1974, Medecine et Armees, v. 2 (7), 627-628
human parasitic diseases, diagnosis, use of globulins labelled with peroxidase, comparison with immunofluorescence

Immunofluorescence
Dutta, S. N.; Diesfeld, H. J.; and Kirsten, C., 1976, Tropenmed. u. Parasitol., v. 27 (4), 479-482
immunofluorescent antibody test using D[ipetalonema] viteae as antigen applied to mothers' blood and to the umbilical cord blood of their newborns, results show that in a Wuchereria bancrofti endemic area maternal antibodies against filariae are passed via placenta to newborn, findings not demonstrable after 6th month of life: India

Immunofluorescence
Dwyer, D. M., 1976, J. Immunol., v. 117 (6), 2081-2091
Leishmania donovani, effects of specific antibodies on surface membrane antigens of amastigotes and promastigotes detected using direct and indirect immunofluorescence methods, capping process

Immunofluorescence
Dymowska, Z.; et al., 1974, Med. Dosw. i Mikrobiol., v. 26 (3), 247-250
Toxoplasma gondii antibody levels determined by immunofluorescence in persons with Isospora hominis infection, no essential correlation found

Immunofluorescence
Dymowska, Z.; and Sporzynska, Z., 1973, Med. Dosw. i Mikrobiol., v. 25 (4), 339-343
Toxoplasma gondii, human, evaluation of passive agglutination test for diagnosis, comparison with complement fixation and immunofluorescence

Immunofluorescence
Dymowska, Z.; and Urbanek-Szufnara, K., 1970, Med. Dosw. i Mikrobiol., v. 22 (3), 283-292
Toxoplasma gondii, human, evaluation of fluorescent antibody test for diagnosis

Immunofluorescence
Edrissian, G. H.; and Afshar, A., 1973, Pahlavi Med. J., v. 4 (4), 533-544
human malarias, detection of asymptomatic and scanty parasitemia using combined indirect fluorescent antibody technique and parasite concentration from thick and thin blood films, use in mass surveys: Iran

Immunofluorescence
Eugster, A. K.; and Joyce, J. R., 1976, Vet. Med. and Small Animal Clin., v. 71 (10), 1469-1471, 1473
Toxoplasma gondii, horses, evaluation and standardization of indirect fluorescent antibody test, prevalence of positive reactions, diagnostic value: Texas

Immunofluorescence
zum Felde, I.; et al., 1974, Tropenmed. u. Parasitol., v. 25 (4), 477-484
P[lasmodium] falciparum, P. vivax, P. ovale, P. malariae, human, indirect immunofluorescence test with same 4 Plasmodium spp. plus P. fieldi as antigen, species-specific and cross-reactions, effect of therapy, implications for immunodiagnosis

Immunofluorescence
Felsenfeld, O.; and Wolf, R. H., 1973, Ann. Trop. Med. and Parasitol., v. 67 (3), 335-340
cross-reactions and interference between Trypanosoma brucei and Borrelia turicatae, antigenic analysis, fluorescent antibody, and immobilisine studies, prolonged survival of mice simultaneously infected with both species

Immunofluorescence
Feteanu, A.; et al., 1973, Isotopes and Radiation Parasitol. III, 101-111
Syngamus trachea, chicks, pheasants, immunization with irradiated larval antigen, fluorescent antibody technique for detection of serum antibodies

Immunofluorescence
Franco, M. F.; and Chamma, L. G., 1973, Internat. Arch. Allergy and Applied Immunol., v. 44 (5), 692-696
schistosomiasis mansoni, Chagas disease, diagnosis, technical modification of indirect immunofluorescent antibody test using filter paper blood eluates, useful as rapid qualitative screening test when dealing with large number of samples

Immunofluorescence
  Gaertner, L.; et al., 1976, Arch. Exper. Vet.-Med., v. 30 (2), 227-238
    Trichinella spiralis, rabbits, guinea pigs, problems with use of immunofluorescence for diagnosis

Immunofluorescence
  Gastaut, J. A.; Ranque, P.; and Quilici, M., 1972, Marseille Med., v. 109 (10), 627-629
    amoebiasis, human, diagnosis using immunofluorescence or agglutination, comparison trials

Immunofluorescence
  Gentilini, M.; et al., 1973, Medecine et Malad. Infect., v. 3 (1), 21-23
    detection and seroepidemiologic studies of human schistosomiasis using counter-immunoelectrophoresis, comparison with immunofluorescence and double diffusion in agar

Immunofluorescence
  Gentilini, M.; et al., 1976, Nouv. Presse. Med., v. 5 (11), 720 [Letter]
    Trichinella spiralis in humans, value of indirect immunofluorescence in diagnosis during two recent epidemics in France

Immunofluorescence
  Giauffret, A.; Sanchis, R.; and Vitu, C., 1976, Rev. Med. Vet., Toulouse, v. 127 (6), 913-930
    Leishmania, canine, diagnosis by immunofluorescence, prognosis, treatment with Glucantime, review

Immunofluorescence
  Goldring, O. L.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 144-148
    Schistosoma mansoni, detection of mouse host antigens and parasite antigens on surface of schistosome using indirect fluorescent antibody technique, suggests that presence of host antigens obviates binding of anti-schistosome antibody in sufficient quantity or in correct pattern to cause surface damage of schistosome

Immunofluorescence
  Golenser, J.; et al., 1977, Clin. and Exper. Immunol., v. 29 (1), 43-51
    Plasmodium berghei, rats immunized with sporozoites or infected blood, indirect fluorescent antibody tests, crossreactivity using as antigen sporozoites, exoerythrocytic forms, or blood schizonts, protection or lack of protection against challenge with sporozoites or infected blood

Immunofluorescence
  Golenser, J.; et al., 1977, Trop. and Geogr. Med., v. 29 (3), 318 [Abstract]
    P[lasmodium] berghei, detection of antibodies against sporozoites, parasitized erythrocytes and exoerythrocytic forms using the indirect fluorescent antibody test

Immunofluorescence
  Gonzaga dos Santos, L.; Santos, D. S.; and Azevedo, R., 1976, Ann. Trop. Med. and Parasitol., v. 70 (2), 219-225
    Wuchereria bancrofti, human, diagnosis, immunofluorescence using microfilariae treated with papain as antigen

Immunofluorescence
  Grelck, H.; and Hoerchner, F., 1977, Berl. u. Munchen. Tierarztl. Wchnschr., v. 90 (17), 332-335
    Fasciola hepatica, cattle, comparative diagnosis using immunofluorescence and immunoperoxidase test

Immunofluorescence
  Gupta, S. L.; Gautam, O. P.; and Chauhan, H. V. S., 1976, Haryana Agric. Univ. J. Research, v. 6 (1), 87-88
    Anaplasma ovis, sheep, diagnosis, fluorescent antibody technique, specificity tested, detects low grade infections

Immunofluorescence
  Gustowska, L.; Gabryel, P.; and Żeromski, J., 1970, Patol. Polska, v. 21 (4), 663-669
    human Trichinella spiralis, high specificity of immunofluorescence test demonstrated in diagnostic comparisons with muscle biopsy, biopsy recommended after obtaining positive results with immunofluorescence in order to assess degree of muscle invasion and damage

Immunofluorescence
  Gysin, J.; Le Corroller, Y.; and Pariaud, P., 1975, Medecine et Malad. Infect., v. 5 (12), 560-563
    Schistosoma mansoni, comparison of enzyme-labelling and immunofluorescence in seroimmunologic diagnosis of human infections

Immunofluorescence
  Halliwell, R. E. W., 1973, J. Immunol., v. 110 (2), 422-430
    canine skin, immunofluorescent staining for IgE and Ascaris-binding antibodies, association with mast cells, correlation with results of intradermal skin tests

Immunofluorescence
  Hamburger, J.; and Kreier, J. P., 1976, Exper. Parasitol., v. 40 (2), 158-169
    Plasmodium berghei free parasites (but not parasites in erythroctes) become coated with antibodies after incubation in recovered rat serum (as demonstrated by fluorescent antibody technique), this immune serum did not protect mice against inoculation of free parasites but did protect rats partially or completely, phagocytes ingested parasites more readily in prescence of immune vs. normal serum

Immunofluorescence
  Hanna, R. E. B.; and Jura, W., 1977, Research Vet. Sc., v. 22 (3), 339-342
    Fasciola gigantica, calves (exper.), antibody response, indirect fluorescent antibody technique, results suggest that the surface glycocalyx of newly excysted flukes provides one of the earliest antigenic stimuli for host response

Immunofluorescence
Hanson, W. L.; et al., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 117-131
Trypanosoma cruzi, detection of small numbers of viable or virulent parasites in blood and other fluids by Vero cell culture procedure or by mouse inoculation, immunization of mice with irradiated trypomastigotes and amastigotes, serology as determined by indirect fluorescent antibody and agglutination tests

Immunofluorescence
Hawa, N.; Latif, B. M. A.; and Bakir, F. A., 1976, Trop. Animal Health and Prod., v. 8 (2), 97-101
Theileria hirci, sheep (nat. and exper.), diagnosis, indirect fluorescent antibody test, serological response of host to cell culture schizont antigen

Immunofluorescence
Healey, M. C.; and Gaafar, S. M., 1977, Vet. Parasitol., v. 3 (2), 107-119
Demodex canis, dogs, immunofluorescent demonstration and quantitation of mast cell-bound IgE, estimation of serum IgE inconclusive, possible role of atopic sensitization in pathogenesis of canine demodectic mange

Immunofluorescence
Hedge, E. C.; and Ridley, D. S., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 304-307
evaluation of microfilarial antigen for use with indirect immunofluorescent test in diagnosing human filariasis; best results obtained with sonicated microfilariae of Brugia pahangi with which both cytoplasmic and sheath antigens could be utilized simultaneously

Immunofluorescence
van Helden, H. P. T.; et al., 1976, Trop. and Geogr. Med., v. 28 (4), 364 [Abstract]
Schistosoma mansoni, S. haematobium, focal and diffuse fluorescence patterns, variations with host age observed during serologic prevalence survey

Immunofluorescence
Herd, R. P., 1976, Parasitology, v. 72 (3), 325-334
Echinococcus granulosus protoscoleces and adults, effects of complement and/or specific antibodies in vitro

Immunofluorescence
Hidalgo, R. J., 1975, Am. J. Vet. Research, v. 36 (5), 635-640
Anaplasma marginale, propagation in bovine lymph node cell culture, direct fluorescent antibody technique used for detection of organism in culture and combined with standard microscopic count procedure to obtain numerical estimates of organism as criteria of growth, effect of oxytetracycline HCl

Immunofluorescence
Hobbs, K. M.; Sole, E.; and Bettelheim, K. A., 1977, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 239 (3), 409-413
Toxoplasma gondii, humans, IgM is immunoglobulin class responsible for bipolar staining of trophozoites in fluorescent antibody test

Immunofluorescence
Hoerchner, F.; Grelck, H.; and Flasshoff, F. G., 1976, Berl. u. Munchen. Tierarztl. Wchnschr., v. 89 (15), 296-300
Fasciola hepatica, cattle, diagnosis, comparison of one-time fecal examination and various serological tests, confirmation by post-mortem liver and bile examination; indirect immunofluorescence test better than agar gel precipitation, latex agglutination or fecal examination; duration of egg-shedding after treatment with Dirian

Immunofluorescence
Hoffmann, E. O.; and Miller, M. J., 1975, J. Parasitol., v. 61 (6), 1104-1105
Entamoeba histolytica, value of fluorescent antibody technique in visualizing trophozoites in tissues routinely processed through formalin fixation and paraffin embedding

Immunofluorescence
Honigberg, B. M.; et al., 1975, J. Protozool., v. 22 (3), 23A [Abstract]
Trypanosoma brucei, bloodstream, culture, midgut, and proventricular forms, antigenic analysis by quantitative fluorescent antibody method

Immunofluorescence
Honigberg, B. M.; et al., 1975, J. Protozool., v. 22 (3), 23A-24A [Abstract]
Trypanosoma brucei, bloodstream and salivary gland forms, antigenic analysis by quantitative fluorescent antibody method

Immunofluorescence
Honigberg, B. M.; et al., 1976, Exper. Parasitol., v. 39 (3), 496-522
Trypanosoma brucei brucei, comparative antigenic analysis of different developmental stages (bloodstream, vector, and culture forms) by quantitative fluorescent antibody methods

Immunofluorescence
Huebsch, R. M.; Sulzer, A. J.; and Kagan, I. G., 1976, J. Parasitol., v. 62 (4), 523-527
evaluation of sensitivity and specificity of indirect immunofluorescence test for autoimmune-type EVI antibodies in sera of patients with Chagas disease (Trypanosoma cruzi), leishmaniasis (Leishmania brasiliensis, L. donovani), malaria, and several other nonparasitic diseases; second type of staining of heart tissue also reported for patients with leishmaniasis and malaria but not Chagas' disease

Immunofluorescence
Jackson, T.F.H.G., 1976, J. Helminth., v. 50 (1), 45-47
Bulinus (Physopsis) africanus antigens shown to be associated with cercarial glycocalyx of Schistosoma haematobium using immunofluorescence and Cercarienhuellen reaktion, possibility that snail antigen might sensitise definitive host and induce resistance to further invasion by cercariae

Immunofluorescence
James, E. R., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 433 [Demonstration]
Trichinella spiralis, miniaturization of technique for diagnosis using standard indirect fluorescent antibody test

Immunofluorescence
Jeffery, G. M.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 402-411
application of indirect fluorescent antibody test findings to assessment of endemicity of Plasmodium falciparum and P. vivax in malarial surveillance areas, climate, geography and area development as additional varying factors: Mato Grosso State, Brazil

Immunofluorescence
Jeon, Y.; Kim, D. S.; and Jeong, S. J., 1975, Research Rep. Office Rural Develop., Min. Agric. and Forest., Korea, v. 17, 45-49
Babesia, cattle, experimental infection for immunization, recovery with persistence of antibodies as shown by indirect fluorescent antibody test

Immunofluorescence
Jeon, Y.; and Lee, T. J., 1975, Research Rep. Office Rural Develop., Min. Agric. and Forest., Korea, v. 17, 35-43
Babesia, cattle, experimental infection with Korean strain, detection of antibodies with indirect fluorescent antibody test, chronology of presence of antibodies

Immunofluorescence
Johnston, L. A. Y.; Trueman, K. F.; and Pearson, R. D., 1977, Austral. Vet. J., v. 53 (5), 222-226
Babesia argentina, B. bigemina, cattle (nat. and exper.), comparison of Giemsa and direct fluorescent antibody staining for diagnosis, determination of length of time Babesia may be recognized in tissues after host death; field cases of B. argentina were due to primary infections rather than relapses

Immunofluorescence
Joyner, L. P.; et al., 1972, Research Vet. Sc., v. 13 (6), 515-518
species-specificity of indirect fluorescent antibody test for differentiating infections with Babesia divergens vs. Babesia major, cattle (nat. and exper.), suitable for use in surveys

Immunofluorescence
Kaeser, H. E.; Dietrich, R.; and Kocher, R., 1977, Schweiz. Med. Wchnschr., v. 107 (42), 1482-1487
Toxoplasma gondii involving the human nervous system, diagnosis by indirect immunofluorescence or morphologic identification of organism in spinal fluid, clinical case reports, recommendations for therapy with fansidar combined with spiramycin

Immunofluorescence
Kagan, I. G.; and Norman, L. G., 1976, National Cancer Inst. Monograph (43), 121-125
Pneumocystis carinii pneumonia in humans, evaluation of serologic tests with comparison of results of immunodiffusion, immunofluorescence, complement fixation and double diffusion tests, lower level of measurable antibody in American sera in comparison to that from European laboratories

Immunofluorescence
Kaul, T. N.; and Mahajan, R. C., 1977, Indian J. Med. Research, v. 66 (3), 413-416
human hookworm infection, immunofluorescence using Ancylostoma duodenale antigen, useful immunodiagnostic tool especially in early stages of infections

Immunofluorescence
Kettis, A. A.; Lidman, K.; and Fagraeus, A., 1977, J. Parasitol., v. 63 (3), 581-583
Entamoeba histolytica, presence of actin in trophozoites demonstrated by immunofluorescence using human sera with anti-actin specificity

Immunofluorescence
Kimber, C. D.; Purnell, R. E.; and Sellwood, S. A., 1973, Research Vet. Sc., v. 14 (1), 126-127
Theileria parva, detection in salivary glands of Rhipicephalus appendiculatus using fluorescent antibody techniques

Immunofluorescence
Kimber, C. D.; and Young, A. S., 1977, Ann. Trop. Med. and Parasitol., v. 71 (1), 1-10
Theileria mutans (Aitong), cattle infected by cyclical and mechanical transmission, response to infection studied using indirect fluorescent antibody technique with piroplasm and schizont antigens, indistinguishable reactions with different strains of T. mutans but easily distinguishable reactions from other Theileria spp.

Immunofluorescence
Kiurtov, N., 1976, Vet. Med. Nauki, v. 13 (7), 61-66
Babesia ovis, sheep, direct and indirect immunofluorescence compared with complement fixation; indirect method more readily applicable in diagnostic laboratory, direct method more species specific

Immunofluorescence
Klimowicz, J.; Gancarz, Z.; and Wyrzykowski, J., 1975, Przegl. Lek., v. 32 (12), 876-878
human trichinosis, use of immunofluorescence and passive hemagglutination tests for diagnosis and for epidemiologic surveys

Immunofluorescence
Kloetzel, J.; Camargo, M. E.; and Giovannini, V. L., 1975, J. Protozool., v. 22 (2), 259-261
Trypanosoma cruzi trypomastigotes vs. amastigotes vs. epimastigotes, antigenic differences demonstrated by indirect fluorescent antibody test

Immunofluorescence
van Knapen, F.; Framstad, K.; and Ruitenberg, E. J., 1976, J. Parasitol., v. 62 (2), 332-333
Trichinella spiralis, reliability of enzyme-linked immunosorbent assay as control method for detection of infections in naturally infected slaughter pigs, compared with direct methods of diagnosis (trichinoscopy; digestion method) and other serological tests (immunofluorescence; counterelectrophoresis; Ouchterlony agar gel diffusion)

Immunofluorescence
Kobayashi, A.; Soltys, M. A.; and Woo, P.T.K., 1976, Ann. Trop. Med. and Parasitol., v. 70 (1), 53-58
Trypanosoma congolense, sheep, diagnosis, comparison of various parasitological techniques (wet mount preparation; hematocrit centrifuge technique; mouse inoculation test) with various serological techniques (immunolysis test; indirect fluorescent antibody test; complement fixation test; immunoconglutination test), effect of treatment with quinapyramine dimethosulphate on diagnosis

Immunofluorescence
Kouwenhoven, B.; and Kuil, H., 1976, Vet. Parasitol., v. 2 (3), 283-292
Eimeria tenella, chickens, rabbits, demonstration of circulating antibodies by indirect immunofluorescent antibody test using sporozoites and second-stage schizonts as antigen

Immunofluorescence
Kraft, B.; Kraft, I.; and Stoll, L., 1976, Arch. Lebensmittel.-Hyg., v. 27 (5), 172-176
Toxoplasma gondii, slaughter-pigs, comparison of diagnostic methods, fluorescence examination of lymph node smears proved better method than macroscopic or histological examination of lymph nodes or Sabin-Feldman dye test

Immunofluorescence
Kramar, J.; and Cerva, L., 1975, J. Protozool., v. 22 (3), 65A
Naegleria, differentiation of pathogenic from nonpathogenic strains by indirect fluorescent antibody test

Immunofluorescence
Kuil, H.; et al., 1977, Vet. Parasitol., v. 3 (1), 33-40
Eimeria maxima, Eimeria acervulina, chickens, effect of inoculation dose on indirect fluorescent antibody response, difference in immunogenicity between two species substantiated by difference in IFA response after challenge, reinoculation with Eimeria maxima indicated that birds were immune but single infection with Eimeria acervulina did not result in solid immunity

Immunofluorescence
Kuil, H.; and Dankert-Brands, S., 1976, Vet. Parasitol., v. 2 (3), 293-298
Eimeria tenella, E. maxima, development of indirect fluorescent antibody titers in infected chickens fed rations medicated with metichlorpindol and/or methylbenzoquate, concluded that development of parasite is necessary to stimulate host to produce circulating fluorescent antibodies

Immunofluorescence
Kuttler, K. L.; Adams, L. G.; and Todorovic, R. A., 1977, Am. J. Vet. Research, v. 38 (2), 153-156
Babesia bigemina, infected mature cattle, comparison of complement fixation and indirect fluorescent antibody reactions, CF more sensitive than IFA in longer infection, both successful in early infections

Immunofluorescence
Lanotte, G.; et al., 1975, Ann. Parasitol., v. 50 (1), 1-5
leishmaniasis, canine, epidemiological survey, application of immunofluorescence technique, geometric and arithmetic mean titres as indication of incidence and prevalence, close correlation with diagnosis by parasitological techniques: south of France

Immunofluorescence
Lawrence, J. A., 1977, Vet. Rec., v. 100 (22), 470-471
Theileria parva (Muguga) and T. lawrencei from Rhodesia serologically indistinguishable, indirect immunofluorescent test

Immunofluorescence
Lawrence, J. A., 1977, Research Vet. Sc., v. 23 (3), 288-292
Schistosoma mattheei, Friesian steers (exper.), antibody response followed up to 76 weeks by complement fixation, indirect haemagglutination, and indirect immunofluorescent tests, strong cross-reaction to Fasciola gigantica and Paramphistomum microbothrium in CF test, while IH and IF tests were specific; IF test of proven value in diagnosis of clinical schistosomiasis

Immunofluorescence
Leeflang, P.; et al., 1976, Internat. J. Parasitol., v. 6 (2), 159-161
survey of 173 males using indirect fluorescent antibody technique with Babesia bovis, B. bigemina, and B. ratti as antigens, babesial antibodies detected in 54%, no correlation found with mode of living, contact with livestock, incidence of malaria parasitaemias or malarial antibodies, no Babesia organisms found in blood smears or by animal subinoculation, source of antibodies unknown but subclinical infection not likely: Nigeria

Immunofluorescence
Lemasson, J. M.; and Dindinaud, M. H., 1974, Ouest Med., v. 27 (15), 1425-1430
human toxoplasmosis, diagnosis comparing direct agglutination and indirect immunofluorescence

Immunofluorescence
Le Viguelloux, J.; et al., 1971, Medecine Trop., v. 31 (4), 393-398
diagnosis of Schistosoma mansoni in humans using lyophilized adult worm antigen, technique and value of test reactions

Immunofluorescence
Le Viguelloux, J.; et al., 1971, Medecine Trop., v. 31 (4), 399-403
variations in immunologic findings of indirect immunofluorescent antibody test in human Schistosoma mansoni, no correlation between eggs excreted in urine and antibody titers

Immunofluorescence
Lloyd, S.; and Soulsby, E. J. L., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 231-240
Taenia taeniaeformis, mice, maternal transfer of antibody, placental and transmammary transfer of immunity, passive transfer of immunity by serum or intestinal or colostral immunoglobulins, indirect haemagglutination and enhanced haemagglutination, immunoglobulin classes involved, antibody on intestinal wall of neonatal mice revealed by indirect fluorescent antibody technique, possible model system for T. saginata in calves

Immunofluorescence
Locatelli, A.; and Simonic, T., 1974, Folia Vet. Latina, v. 4 (1), 43-70
Fasciola hepatica, short review of physiology, biochemistry, pathogenicity, immunology, and diagnosis (fecal examination, complement fixation, precipitation, haemagglutination, flocculation, and allergy tests, indirect immunofluorescence)

Immunofluorescence
Loehr, K. F.; and Meyer, H., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (2), 192-197
Anaplasma organisms isolated in splenectomized calves following blood inoculation from Connochaetes taurinus, Alcelaphus buselaphus cokii, and Gazella thomsonii, morphologically indistinguishable from Aepyceros melampus, mild reaction of receptor calves to antelope-derived infection and severe reaction to subsequent A. melampus challenge, indirect fluorescent antibody results established close antigenic relationship between antelope anaplasms and A. melampus and less so to Anaplasma centrale: Kenya

Immunofluorescence
Loehr, K. F.; Ross, J. P. J.; and Meyer, H., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (1), 86-95
Anaplasma marginale, A. centrale, cattle, homologous and heterologous indirect fluorescent antibody and capillary tube agglutination responses to primary infection and reinfection and to cross-infection with the heterologous organisms, clinical reactions; A. centrale carrier animals showed high degree of premunity to severe challenge with A. marginale

Immunofluorescence
Loehr, K. F.; Ross, J. P. J.; and Meyer, H., 1974, Tropenmed. u. Parasitol., v. 25 (2), 217-226
sera of 1505 game animals of 19 different species screened for antibodies to Anaplasma marginale, Babesia bigemina, and Theileria parva, capillary tube agglutination and indirect fluorescent antibody tests, antibodies more prevalent in sera of antelopes grazing in vicinity of non-dipped cattle than in areas where cattle are either dipped regularly or are not present at all, need for studies on transmission of these organisms from game to cattle and vice versa: Kenya; Tanzania; Uganda; Zambia

Immunofluorescence
Lopez-Antunano, F. J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (3), 257 [Letter]
Plasmodium falciparum antigen slides made from in vitro culture for use in indirect immunofluorescence test

Immunofluorescence
Machnicka, B., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 213-221
Taenia saginata, humans, Cysticercus bovis, calves, antibody response, cross-reactions indicating antigenic relationship between adult and larval form, passive hemagglutination, indirect immunofluorescence, gel precipitation, immunoelectrophoresis

Immunofluorescence
Mahajan, R. C.; et al., 1977, Indian J. Med. Research, v. 66 (1), 29-32
Toxoplasma gondii in humans, evaluation of indirect fluorescent antibody test and indirect hemagglutination test for detection of Toxoplasma antibodies in suspected infections

Immunofluorescence
Mahajan, R. C.; Ganguly, N. K.; and Chitkara, N. L., 1976, Indian J. Med. Research, v. 64 (3), 405-409
comparative evaluation of immunodiagnostic techniques for human echinococcosis (fluorescent antibody test, indirect hemagglutination, intradermal Casoni test)

Immunofluorescence
Mahmoud, A. A. F.; and Warren, K. S., 1977, J. Infect. Dis., v. 135 (3), 493-496
Toxoplasma gondii in humans, algorithms in diagnosis and clinical management

Immunofluorescence
Manikowska-Lesinska, W.; and Linda, B., 1973, Polski Tygod. Lekar., v. 28 (9), 313-314
Toxoplasma gondii, humans, evaluations of modified immunofluorescence test for simultaneous epidemiologic surveys of toxoplasmosis and syphilis: Poland

Immunofluorescence
Mannweiler, E.; et al., 1976, Munchen. Med. Wchnschr., v. 118 (36), 1139-1144
Plasmodium spp., homologous and heterologous malaria pathogens used as antigens to determine malaria antibodies by direct immunofluorescence, pre- and post-treatment with chloroquine compared

Immunofluorescence
Mannweiler, E.; Thoele, A.; and Lederer, I., 1977, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 238 (4), 494-502
echinococcosis, human, immunodiagnosis using aqueous extract from Echinococcus multilocularis cyst material, and protoscolices from E. granulosus and E. multilocularis, results showed indirect immunofluorescence test with vital protoscolices the most specific whereas indirect hemagglutination test with hydatid fluid and extract from E. multilocularis the most sensitive, latex test the least specific method

Immunofluorescence
Martaresche, B.; et al., 1975, Medecine Trop., v. 35 (4), 309-310
human Plasmodium falciparum, positive immunofluorescence test for leishmaniasis

Immunofluorescence
Matossian, R. M.; Kurban, A. K.; and Malak, J. A., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (5-6), 450-452
Leishmania tropica, humans, circulating antibodies, detection by immunofluorescence, cross reactivity with L. donovani and Trypanosoma cruzi antigens, possible cross reactivity in mixed tuberculosis infections

Immunofluorescence
Matossian, R. M.; Nassar, V. H.; and Basmadji, A., 1977, J. Clin. Path., v. 30 (9), 847-850
Toxoplasma gondii, humans, differential diagnosis of toxoplasmic lymphadenitis by direct immunofluorescence, demonstration of cysts and trophozoites in lymph node biopsy

Immunofluorescence
Matossian, R. M.; Rebeiz, J.; and Stephan, E., 1975, Ann. Trop. Med. and Parasitol., v. 69 (3), 387-392
Trichinella spiralis, human, early diagnosis of acute trichinosis can be made by indirect fluorescent antibody test using freeze-dried larval antigen, human serum, and anti-human IgG, IgM, and IgA fluorescein conjugates

Immunofluorescence
Matossian-Rogers, A.; Lumsden, W. H. R.; and Dumonde, D. C., 1976, Immunology, v. 31 (1), 1-19
Leishmania enriettii, L. tropica major, L. aethiopica, L. mexicana amazonensis, numerical immunotaxonomy, differentiation according to reactivity and cross-reactivity in tests of parasite agglutination, indirect immunofluorescence, and passive cutaneous anaphylaxis

Immunofluorescence
Mehlitz, D., 1975, Tropenmed. u. Parasitol., v. 26 (3), 265-275
Trypanosoma spp. of Nannomonas, Duttonella, and Trypanozoon subgenera, comparison of indirect fluorescent antibody test and complement fixation test as means of differentiating subgenera by serology and persistence of antibodies

Immunofluorescence
de Meuter, F.; and de Decker, H., 1975, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 233 (3), 421-430
toxoplasmosis, human, indirect fluorescent antibody test, use of fluorescent anti-IgG conjugate to prevent unspecific reactions, use in pregnancy; Remington test for early diagnosis of congenital toxoplasmosis

Immunofluorescence
Meuwissen, J. H. E. T., 1976, National Cancer Inst. Monograph (43), 133-136
Pneumocystis carinii pneumonia in humans, attempts to apply indirect fluorescent antibody tests and complement fixation to the laboratory diagnosis of infection and to epidemiologic surveillance in outbreaks, preliminary data on experimental use of rat colony for longitudinal studies

Immunofluorescence
Meuwissen, J. H. E. T.; et al., 1977, J. Infect. Dis., v. 136 (1), 43-49
Pneumocystis carinii in humans, although IgG antibody levels are higher in leukemic children with symptoms of Pneumocystis pneumonia than in those without symptoms or in normal controls, serologic assessment with indirect fluorescent antibody test appears to be of limited diagnostic value

Immunofluorescence
Meuwissen, J. H. E. T.; et al., 1977, Trop. and Geogr. Med., v. 29 (3), 318 [Abstract]
Pneumocystis, comparisons of IgG antibody levels of infected children with those of normal controls using the indirect fluorescent antibody test suggest the test has limited diagnostic value but could be useful in serologic follow-up

Immunofluorescence
Mohn, S. F.; and Ødegaard, O. A., 1977, Acta Vet. Scand., v. 18 (2), 290-292
Nosema cuniculi, blue fox (Alopex lagopus), diagnosis by indirect fluorescent antibody test

Immunofluorescence
Mohr, W., 1976, Med. Klin., Berlin, v. 71, 1204-1209
human protozoal infections, value of immunoserologic techniques in diagnosis, comparison with results of direct blood examination and culture methods

Immunofluorescence
Moreau, J. P.; et al., 1975, Medecine Trop., v. 35 (5), 402-406
probable Fasciola gigantica infection in Malagasy woman, highly positive sero-immunologic tests although previous parasitologic tests had been negative, case report: Madagascar

Immunofluorescence
Moriearty, P. L.; and Brito, E., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 717-722
Schistosoma mansoni, elution of antischistosome antibodies from kidney tissue obtained from schistosomiasis and control cases, IgG eluted from infected cases showed specific activity against schistosome antigen while those from controls showed no fluorescence

Immunofluorescence
Morzaria, S. P.; et al., 1977, Research Vet. Sc., v. 22 (3), 330-333
Theileria mutans, comparison of British strain with East and South African strains and other Theileria spp. using indirect fluorescent antibody test, no cross-reactions were detected, concluded that British strain of T. mutans could be a distinct species from African strains of T. mutans

Immunofluorescence
Morzaria, S. P.; Brocklesby, D. W.; and Harradine, D. L., 1977, Vet. Rec., v. 100 (23), 484-487
Babesia major, Theileria mutans, cattle (exper.), indirect fluorescent antibody test found to be species specific, possible use in field survey of cattle in Britain

Immunofluorescence
Morzaria, S. P.; and Young, A. S., 1977, Research Vet. Sc., v. 23 (1), 55-58
Babesia bigemina, identification of developmental stages in the haemolymph of Boophilus decoloratus using indirect fluorescent antibody technique

Immunofluorescence
Moulton, J. E.; Coleman, J. L.; and Gee, M. K., 1975, Am. J. Vet. Research, v. 36 (4), 357-366
Trypanosoma equiperdum, pathogenesis in rabbits, lesions in skin, spleen, lymph nodes, and kidney, amyloid deposition, serum and tissue IgM and IgG, fluorescent antibody studies, agglutination test, depressed antibody response to ovine erythrocytes

Immunofluorescence
Moulton, J. E.; and Sollod, A. E., 1976, Am. J. Vet. Research, v. 37 (7), 791-802
Trypanosoma brucei, calves (exper.), clinical changes, parasitemia, antibody titration (indirect fluorescent antibody technique), IgG and IgM, histopathology

Immunofluorescence
Movsesijan, M.; et al., 1975, Research Vet. Sc., v. 18 (2), 171-174
IgG immunoglobulin levels and indirect fluorescent antibody titres to Fasciola hepatica digestive tract antigens in exper. infected lambs, antibody activity demonstrated in IgG-1 but not in IgG-2

Immunofluorescence
Movsesijan, M.; and Lalic, R., 1971, Acta Parasitol. Iugoslavica, v. 2 (2), 57-65
D[ictyocaulus] filaria, sheep, diagnosis, localization of antigen-antibody complex

Immunofluorescence
Mueller, F.; and Klein, P., 1975, Med. Microbiol. and Immunol., v. 162 (1), 55-61
possible immunologic differentiation between immunoglobulin M, immunofluorescent and complement fixing antibodies, role in serodiagnosis of human Toxoplasma gondii

Immunofluorescence
Munday, B. L.; et al., 1975, Research Vet. Sc., v. 18 (2), 218-219
Toxoplasma gondii, sera from aborted or newborn lambs with congenital infections fractionated on Sephadex G-200, sera and fractions tested for antibodies using indirect fluorescent antibody test, most of antibody found in IgG fraction

Immunofluorescence
Murrell, K. D.; et al., 1977, Exper. Parasitol., v. 41 (2), 446-463
Schistosoma mansoni, surface membrane antigens, extraction and partial characterization using assays based on competitive inhibition of human antibodies binding to schistosomules, indirect fluorescent antibody inhibition assay, radioimmune inhibition assay

Immunofluorescence
Nakabayashi, T.; et al., 1969, Nettai Igaku (Trop. Med.), v. 11 (1), 16-26
detection in pigs suspected to be infected with Toxoplasma gondii using hemagglutination test with the mouse inoculation method or fluorescent antibody test

Immunofluorescence
Nayebi, M., 1971, Med. Lab. Tech., v. 28 (4), 413-416
differentiation of Entamoeba histolytica K9 and Shirazi strains using immunofluorescence to establish antigenic constitution

Immunofluorescence
Nedjari, T.; Jungmann, R.; and Hiepe, T., 1976, Monatsh. Vet.-Med., v. 31 (24), 946-947
Sarcocystis bovicanis, cattle (exper.), indirect fluorescent antibody test proved applicable for diagnosis

Immunofluorescence
Nejmi, S.; and Alami, S., 1973, Maroc Med. (572), v. 53, 561-568
Toxoplasma gondii, epidemiologic survey of Marocaine population using immunofluorescence: Maroc

Immunofluorescence
Niel, G.; et al., 1974, Medecine et Malad. Infect., v. 4 (5), 231-235
Entamoeba histolytica, immunoelectrodiffusion in diagnosis of human infection, comparison with immunoelectrophoresis, immunofluorescence and latex agglutination test

Immunofluorescence
Niel, G.; et al., 1976, Path. Biol., v. 24 (4), 277-282
Schistosoma mansoni, Schistosoma haematobium, humans, mice, hamsters, existence of serum IgG and IgM antibodies revealed by immunofluorescence which are specific for schistosome digestive tract, possible use in early diagnosis

Immunofluorescence
Niel, G.; Desmonts, G.; and Gentilini, M., 1973, Path. Biol., v. 21 (2), 157-161
human toxoplasmosis, diagnosis using quantitative immunofluorescence and introduction of international units of measurement for world wide usage and accuracy

Immunofluorescence
Norcott, T. C., 1973, Med. J. Australia, v. 2 (1), 21-22
diagnosis of extra-intestinal human Entamoeba histolytica by immunofluorescence

Immunofluorescence
Norman, L.; and Kagan, I. G., 1973, Infect. and Immun., v. 8 (3), 317-321
Pneumocystis carinii, human, indirect immunofluorescent test with antigen of partially cleaned parasite cysts, evaluation for sensitivity and specificity, limited comparison with complement fixation test

Immunofluorescence
Nozais, J. P.; et al., 1975, Medecine Trop., v. 35 (5), 413-417
Toxoplasma gondii, epidemiologic survey of disease prevalence using indirect immunofluorescence test, infection at early age, probably through ingestion of contaminated soil as a result of poor hygiene habits: Ivory Coast

Immunofluorescence
Nozais, J. P.; Lebras, M.; and Doucet, J., 1975, Medecine Trop., v. 35 (6), 463-467
Schistosoma mansoni, Schistosoma haematobium, mass epidemiologic survey using indirect immunofluorescence test, species differentiation of positive cases using rectal biopsy and quantitative blood tests

Immunofluorescence
Oelerich, S.; Umaly, R. C.; and Lederer, I., 1974, Tropenmed. u. Parasitol., v. 25 (3), 318-326
Schistosoma mansoni, different developmental stages, S. japonicum, Fasciola hepatica, Ascaris suum, cross reactions in double gel diffusion, Cerkarienhullenreaktion, complement fixation, indirect immunofluorescence, indirect haemagglutination, mice, rabbits

Immunofluorescence
Oudart, J. L.; Diallo, B.; and Rolez, S., 1976, Medecine Afrique Noire, v. 23 (1), 31-37
Trypanosoma brucei gambiense, seroimmunologic diagnosis, immunoglobulins and fluorescent antibodies, standards versus findings in infections

Immunofluorescence
Ozcan, K., 1975, Mikrobiyol. Bul., v. 9 (4), 281-290
Toxoplasma gondii, indirect fluorescent antibody technique and Sabin-Feldman dye test compared for diagnosis in patients with eye diseases: Turkey

Immunofluorescence
Parelkar, S. N.; and Stamm, W. P., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (5), 659-662
Entamoeba histolytica, trophozoites from cultures or in fresh or preserved feces, specific staining by indirect immunofluorescent technique, objective method of identification, scanning of fecal smears quicker and more accurate

Immunofluorescence
Perez, M.; Carson, C. A.; and Ristic, M., 1977, Vet. Parasitol., v. 3 (2), 161-167
Babesia microti, hamsters, cell-mediated immune response measured by leukocyte migration inhibition test, comparison with humoral antibody measurements using indirect fluorescent antibody test

Immunofluorescence
Perie, N. M.; Tinnemans-Anggawidjaja, T.; and Zwart, D., 1975, Tropenmed. und Parasitol., v. 26 (4), 399-404
Trypanosoma spp. in experimentally infected domestic animals, sandwich immunofluorescent complement fixation test compared with indirect fluorescent antibody test for use in detecting binding of complement to antigen-antibody complex

Immunofluorescence
Piekarski, G.; Saathoff, M.; and Nouri-Nekoui, M. H., 1973, Ztschr. Tropenmend. u. Parasitol., v. 24 (2), 161-173
Leishmania donovani, rats and hamsters (exper.), patients with kala-azar, indirect immunofluorescence and complement fixation tests for detection of antibodies, failure to apply principle of Sabin-Feldman test

Immunofluorescence
Pignol, F.; et al., 1970, Medecine Afrique Noire, v. 17 (6), 449-455
use of indirect immunofluorescence in diagnosis of human thoracic amoebiasis, review

Immunofluorescence
Pinon, J. M.; and Gentilini, M., 1973, Nouv. Presse Med., v. 2 (19), 1283-1287
human filariasis, application of cellular immunologic tests (rosette formation, macrophage migration) in diagnosis and comparison with serologic tests (fluorescent antibody, passive hemagglutination, gel diffusion)

Immunofluorescence
Platt, K. B.; and Adams, L. G., 1976, Research Vet. Sc., v. 21 (1), 53-58
Trypanosoma vivax, calves, indirect fluorescent antibody test (IFAT) evaluated, cross reactivity not observed when sera from calves singularly infected with T. theileri, T. evansi, Anaplasma marginale, Babesia argentina, B. bigemina, and Eperythrozoon spp. were tested in IFAT: South America

Immunofluorescence
Poels, L. G.; et al., 1977, Exper. Parasitol., v. 42 (1), 182-193
Plasmodium berghei, active immunization of chloroquine-protected mice, immunofluorescence and immunoperoxidase studies, transfer of malaria-immunized spleen cells and/or serum, priming with immune spleen cells, evidence for selective release of protective antigens during course of infection

Immunofluorescence
Politzár, H., 1974, Tropenmed. u. Parasitol., v. 25 (1), 22-27
Trypanosoma vivax alone or with T. brucei and T. congolense, cattle (exper.), homologous and heterologous antibody responses determined by indirect fluorescent antibody test

Immunofluorescence
Quilici, M.; Assadourian, Y.; and Ranque, P., 1971, Medecine Trop., v. 31 (2), 207-213
immunological diagnosis and post-treatment evaluation of human echinococcosis, comparison of sero-immunological tests

Immunofluorescence
Radwanski, Z. K.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 124-132
Leishmania enriettii in guinea pigs (exper.), use of indirect immunofluorescence to demonstrate antibody response during infection, to detect presence of parasites, gamma-globulin and complement during active infection and during healing process; antibody detected in primary lesions unrelated to healing process or pathogenesis of tissue damage

Immunofluorescence
Ranque, J.; et al., 1972, Nouv. Presse Med., v. 1 (20), 1363 [Letter]
human visceral leishmaniasis, value of immunoprecipitation and immunofluorescence in diagnosis, immigrants into France from endemic areas

Immunofluorescence
Rao, N. A.; and Font, R. L., 1977, Arch. Ophth., Chicago, v. 95 (2), 273-277
Toxoplasma gondii causing retinochoroiditis, formalin-fixed human eye tissue, electron microscopic study of cysts, immunofluorescent-antibody technique in diagnosis when routine histologic preparation fails to reveal parasites

Immunofluorescence
Rasaretnam, R.; and Wijetilaka, S. E., 1976, Postgrad. Med. J., London (607), v. 52, 269-274
aids to diagnosis of less frequently occurring left lobe hepatic abscess resulting from human Entamoeba histolytica infection, case analyses, presenting symptoms

Immunofluorescence
Reinhardt, D. J.; Kaplan, W.; and Chandler, F. W., 1977, Am. Rev. Resp. Dis., v. 115 (1), 170-172
Pneumocystis carinii, cyst forms morphologically similar to zygomycete spores, direct fluorescent antibody technique helpful in differentiating from fungus

Immunofluorescence
Remington, J. S.; Miller, M. J.; and Brownlee, I., 1968, Pediatrics, Am. Acad. Pediat., v. 41 (6), 1082-1091
Toxoplasma gondii, diagnosis of congenital infection in newborn infants using the fluorescent antibody test to detect IgM antibodies (in absence of placental leak) in newborn serum

Immunofluorescence
van Renterghem, L.; and van Nimmen, L., 1976, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 235 (4), 559-565
Toxoplasma gondii, indirect immunofluorescence test, polar fluorescence, frequency higher in adults than in children, nonspecificity, polar factor shown to be nonspecific IgM

Immunofluorescence
Rezai, H. R.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 149-151
Leishmania donovani, techniques of indirect immunofluorescence and counter current immunoelectrophoresis compared in diagnosing kala-azar in children, immunoelectrophoretic test found useful tool for epidemiologic surveys and diagnosis

Immunofluorescence
Ridley, D. S.; and Hedge, E. C., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (6), 522-525
microfilariae of various spp., immunofluorescent reactions involving sheath, cuticle, and cytoplasm, relevance to immuno-evasive mechanisms: (1) microfilariae failed to adsorb non-specific immunoglobulins in contrast to other helminth larvae and non-blood protozoa; (2) sheath of Wuchereria bancrofti and Loa loa adsorbed specific A and B blood group antigens; (3) low titer reaction between microfilarial cytoplasm (L. loa and W. bancrofti) and host serum

Immunofluorescence
Ridley, M. J.; and Ridley, D. S., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 10-11 [Demonstration]
Giardia lamblia in humans, when associated with malabsorption is also associated with histologic changes in jejunum and with circulating antibody against G. lamblia detected by immunofluorescence

Immunofluorescence
Rifaat, M. A.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 118-120
Toxoplasma gondii, immunoserological survey for toxoplasmosis conducted by randomly sampling the populations of governorates in Egypt

Immunofluorescence
Rogers, S.; and Goldsmid, J. M., 1977, Ann. Trop. Med. and Parasitol., v. 71 (4), 503-504
Ternidens deminutus, man, indirect fluorescent antibody test evaluated for possible diagnostic use, some cross reactions with Necator americanus, promising epidemiologic tool

Immunofluorescence
Roux, J.; Picq, J. J.; and Marcadet, Y., 1974, Medecine Trop., v. 34 (2), 145-155
Plasmodium falciparum, application of indirect fluorescent antibody reaction with homologous antigen to epidemiologic and chemoprophylactic studies in human endemic areas: Upper Volta

Immunofluorescence
Ruitenberg, E. J.; et al., 1976, Tijdschr. Diergeneesk., v. 101 (2), 57-70
Trichinella spiralis, conventionally raised pigs with experimental infections at various doses, enzyme-linked immunosorbent assay more sensitive than immunofluorescence test, further ways to improve reliability

Immunofluorescence
Ruitenberg, E. J.; and Buys, J., 1976, Vet. Parasitol., v. 1 (3), 231-237
Toxocara canis, puppies (exper.), serodiagnosis with immunofluorescence test

Immunofluorescence
Ruitenberg, E. J.; and Buys, J., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 31-36
Trypanosoma brucei, enzyme-linked immunosorbent assay (ELISA) for serodiagnosis of human African sleeping sickness, comparison tests with immunofluorescence technique showed good results in rabbits (exper.) and serum from infected humans, cross-reactions only in person with Leishmania antibodies, possible application to epidemiologic surveys

Immunofluorescence
Saathoff, M.; and Dogba, C., 1974, Tropenmed. u. Parasitol., v. 25 (4), 405-412
Schistosoma haematobium, human, prevalence survey, comparison of Cercarien-Hullenreaktion and indirect immunofluorescent antibody test with one another and with parasitologic diagnosis: south Togo

Immunofluorescence
Sadun, E. H.; Williams, J. S.; and Gore, R. W., 1973, Isotopes and Radiation Parasitol. III, 73-90
Schistosoma mansoni, S. haematobium, Trichinella spiralis, development of radioactive antigen microprecipitin assay (RAMP), comparison with soluble antigen fluorescent antibody and passive cutaneous anaphylaxis tests, results indicate RAMP measures antibody primarily of I_gE class

Immunofluorescence
de Savigny, D. H.; and Tizard, I. R., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (6), 501-507
Toxocara larva migrans, larval excretions and secretions from in vitro cultures used as antigen in passive hemagglutination and fluorescent antibody tests to diagnose visceral larva migrans in man and laboratory animals (exper.), preliminary evaluation for serodiagnostic purposes, no cross reactions with Ascaris suum infections

Immunofluorescence
Schenk, M. A. M.; Lima, J. D.; and Viana, F. C., 1976, Arq. Escola Vet. Minas Gerais, v. 28 (3), 261-266
Toxoplasma gondii, frequency in swine, diagnosis, methylene blue dye test (Sabin-Feldman) compared with indirect fluorescent antibody test: Belo Horizonte, Minas Gerais

Immunofluorescence
Schierz, G.; and von Busch, K., 1976, Munchen. Med. Wchnschr., v. 118 (26), 839-842
differentiation between human clinical toxoplasmosis and Toxoplasma gondii infection, comparison of Sabin-Feldman dye test, indirect immunofluorescence to detect IgM and IgG antibodies, and complement fixation test

Immunofluorescence
Schinski, V. D.; Clutter, W. C.; and Murrell, K. D., 1976, Am. J. Trop. Med. and Hyg., v. 25 (6), 824-831
Schistosoma mansoni, S. haematobium, human, immunodiagnosis, enzyme-linked immunosorbent assay and radioimmunoassay compared with indirect hemagglutination and indirect fluorescent antibody techniques

Immunofluorescence
Seesee, F. M.; Wescott, R. B.; and Gorham, J. R., 1976, Exper. Parasitol., v. 39 (2), 214-221
Nippostrongylus brasiliensis, mice, indirect fluorescent antibody studies on localization of antigenic sites within worm and on classes of antibody involved in humoral response

Immunofluorescence
Senet, J. M.; and Robert, R., 1974, Medecine et Malad. Infect., v. 4 (1), 21-22
Toxoplasma gondii, use of direct and indirect hemagglutination and immunofluorescence in seroimmunologic diagnosis, comparison with Sabin-Feldman dye test

Immunofluorescence
Senet, J. M.; Robert, R.; and Mauras, G., 1976, Biomedicine, v. 25 (6), 212-214
diagnosis of toxoplasmosis using indirect agglutination for early detection of antibodies, comparison with indirect immunofluorescence

Immunofluorescence
Shaw, J. J.; and Lainson, R., 1977, J. Parasitol., v. 63 (2), 384-385
Leishmania mexicana amazonensis, simply prepared amastigote antigen for use in indirect fluorescent antibody test

Immunofluorescence
Shiff, C. J.; and Yiannakis, C., 1976, Am. J. Trop. Med. and Hyg., v. 25 (3), 427-431
schistosomiasis, human, prevalence measured by parasitological examination and by fluorescent antibody titering, correlation detected between mean titer and prevalence of infection particularly in younger people, suggested that fluorescent antibody titrating may be useful epidemiological tool: Rhodesia

Immunofluorescence
Stagno, S.; and Hurtado, R., 1970, Bol. Chileno Parasitol., v. 25 (1-2), 90-91
Trypanosoma cruzi, early diagnosis of prenatal infections in newborn infants by demonstration of IgM antibodies using immunodiffusion and immunofluorescence

Immunofluorescence
Stagno, S.; and Saavedra, P., 1972, Bol. Chileno Parasitol., v. 27 (3-4), 122-125
combined antigen of free trophozoites of Toxoplasma gondii and cultured forms of Trypanosoma cruzi used to simultaneously diagnose both diseases by the indirect immunofluorescence test

Immunofluorescence
Stagno, S.; Saavedra, P.; and Thiermann, E., 1970, Bol. Chileno Parasitol., v. 25 (3-4), 102-105
Toxoplasma gondii, human, diagnosis, indirect immunofluorescence found comparable to Sabin-Feldman dye test

Immunofluorescence
Stagno, S.; and Thiermann, E., 1970, Bol. Chileno Parasitol., v. 25 (1-2), 9-15
Toxoplasma gondii, use of indirect immunofluorescence test in place of Sabin-Feldman dye test in diagnosis

Immunofluorescence
Stagno, S.; and Thiermann, E., 1972, Bol. Chileno Parasitol., v. 27 (3-4), 126-129
diagnosis of congenital toxoplasmosis in children using indirect immunofluorescence with anti-IgM

Immunofluorescence
Stamm, W. P.; Ashley, M. J.; and Bell, K., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 49-53
low endemicity area of human amoebiasis, assessment of indirect haemagglutination, latex agglutination, indirect fluorescent antibody test and gel diffusion precipitin test for diagnostic serology

Immunofluorescence
Stamm, W. P.; Ashley, M. J.; and Parelkar, S. N., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 211-213
amoebiasis, human, diagnosis, commercially available latex agglutination test marketed in kit form as Serameba, compared with gel diffusion precipitin, fluorescent antibody, and indirect haemagglutination tests

Immunofluorescence
Stamm, W. P.; and Parelkar, S. N., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 10 [Demonstration]
amoebae in tissues can be specifically stained by indirect immunofluorescent technique, in some cases years after original fixation

Immunofluorescence
Stamm, W. P.; Phillips, E. A.; and Bell, K., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 433 [Demonstration]
Entamoeba histolytica, immunofluorescent staining of trophozoites in culture, in fresh and preserved feces and tissue sections

Immunofluorescence
Stevens, A. R.; et al., 1977, J. Protozool., v. 24 (2), 316-324
Acanthamoeba castellanii, A. culbertsoni, isolation and purity of plasma membrane antigens (electron microscopy, assays of marker enzymes), antisera raised against these antigens tested against homologous and heterologous Acanthamoeba spp. in agglutination and immunofluorescence tests, results strongly indicate value of plasma membrane antisera for immunotaxonomy and immunodiagnosis of Acanthamoeba

Immunofluorescence
Stevenson, P.; and Jacobs, D. E., 1977, J. Helminth., v. 51 (2), 149-154
Toxocara canis, T. cati, Ascaris suum, Toxascaris leonina, Parascaris equorum, pigs (exper.), in vitro larval precipitate test and indirect fluorescent antibody test using T. canis larvae as antigen, indirect fluorescent antibody test using A. suum larvae as antigen, specificity

Immunofluorescence
Stoll, L.; and Kraft, B., 1976, Deutsche Tierarztl. Wchnschr., v. 83 (4), 137-140
Toxoplasma gondii, swine, diagnosis, indirect fluorescent antibody test for lymph nodes (details of technique described) more sensitive than examination of blood samples by Sabin-Feldman test

Immunofluorescence
Streefkerk, J. G.; et al., 1975, J. Immunol. Methods, v. 8 (3), 251-256
antigen-coupled beads adherent to slides as immunohistochemical means of detecting antibodies in serum by both immunofluorescence (Schistosoma mansoni used as antigen) and immunohistoperoxidase procedures

Immunofluorescence
Sturrock, R. F.; and Woodstock, L., 1973, Ann. Trop. Med. and Parasitol., v. 67 (4), 425-430
Schistosoma mansoni, unisexual vs. bisexual infections of mice, no significant difference in development of fluorescent antibodies, suggested that some of 'false' positive FA reactions reported among apparently egg-free humans may be due to unisexual S. mansoni infection

Immunofluorescence
Styles, T. J.; and Krautter, F. H., 1976, J. Protozool., v. 23 (2), 16A [Abstract]
Trypanosoma lewisi, tissue forms studied with fluorescent antibody technique

Immunofluorescence
Sulzer, A. J.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 55-58
malaria, human, diagnosis, indirect fluorescent antibody test using multi-species thick smear antigen containing equal proportions of Plasmodium vivax, P. falciparum, and P. brasilianum (latter serologically equivalent in IFA test to P. malariae), circumvents need for multiple testing with several antigen species

Immunofluorescence
Sulzer, A. J.; and Latorre, C. R., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (6), 553 [Letter]
primate malarias, method for in vitro production of schizont antigens for use in indirect immunofluorescence tests for malarial antibodies

Immunofluorescence
Suzuki, N.; et al., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 35-40
Toxoplasma gondii, mice and rats (exper.), blood changes; rats (exper.), antibody titers by dye test and indirect immunofluorescence, erythrocytes showed positive Coombs' reaction suggesting presence of auto-immune acquired hemolytic process

Immunofluorescence
Szarfman, A.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (1), 19-24
evaluation of specificity of EVI factor observed in Trypanosoma cruzi cases using indirect fluorescent antibody test on sera from patients with other parasitic diseases, immunofluorescence of anti-skeletal muscle antibody from leishmaniasis

Immunofluorescence
Szarfman, A.; et al., 1977, J. Parasitol., v. 63 (1), 149
Trypanosoma cruzi, patients with acute Chagas disease, EVI antibodies, specific agglutinins, and IFA antibodies

Immunofluorescence
Takahashi, K.; et al., 1976, Brit. Vet. J., v. 132 (1), 112-117
Theileria sergenti, cattle (exper.), antibody levels, parasitaemia, packed cell volume, indirect fluorescent antibody test on whole serum, IgG, and IgM, possible role of humoral antibody detected by IFA test in inhibition of parasitaemia

Immunofluorescence
Takahashi, K.; Yamashita, S.; and Shimizu, Y., 1975, Japan. J. Vet. Sc., Tokyo, v. 37 (5), 295-301
Theileria sergenti, cattle, indirect fluorescent antibody test; relationship of varying antibody titer to course of infection and clinical signs; severe infection in splenectomized calves with no antibody developed; resistance to challenge infection in previously infected calves; recrudescence of infection in calves given corticosteroids; possible humoral factor in immune mechanism and cell-mediated immunity relationship to relapse

Immunofluorescence
Terpstra, W. J.; et al., 1976, Trop. and Geogr. Med., v. 28 (4), 364 [Abstract]
Schistosoma mansoni, S. haematobium, worm antigens, distinct focal and diffuse immunofluorescence patterns

Immunofluorescence
Thomaidis, T.; et al., 1977, Arch. Dis. Childhood, v. 52 (5), 403-407
Toxoplasma gondii, survey of relationship between toxoplasmosis and chronic lymphadenopathy in children, need for inclusion in differential diagnosis of lymphoglandular enlargement: Greece

Immunofluorescence
Thomas, V.; and Dissanaike, A. S., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 602-606
Plasmodium spp., detection of malaria endemicity among Orang Asli aborigines using Plasmodium falciparum and P. brasilianum antigens and indirect fluorescent antibody test (IFA), age dependent increase in number of positive results, IFA valuable as adjunct to blood slide examination especially when parasites are at very low levels: Malaysia

Immunofluorescence
Todorovic, R. A.; and Long, R. F., 1976, Tropenmed. u. Parasitol., v. 27 (2), 169-181
indirect fluorescent antibody test found superior to complement fixation test as epidemiologic tool to detect Babesia bigemina and B. argentina infections in cattle, some cross reactivity in differentiating between spp.: Colombia

Immunofluorescence
Toure, S. M.; et al., 1975, Rev. Elevage et Med. Vet. Pays Trop., n. s., v. 28 (4), 463-472
trypanosomiasis, cattle, evaluation of indirect fluorescent antibody test in diagnosis and epizootiological surveys: Senegal

Immunofluorescence
Umaly, R. C.; Oelerich, S.; and Haas, J., 1974, Tropenmed. u. Parasitol., v. 25 (4), 413-421
various schistosome antigens tested against sera from parasitologically proven human cases of Schistosoma mansoni and S. haematobium, Cercarienhullenreaktion, indirect fluorescent antibody test, complement fixation test, indirect haemagglutination test

Immunofluorescence
Umaly, R. C.; Oelerich, S.; and Haas, J., 1974, Tropenmed. u. Parasitol., v. 25 (4), 422-432
Schistosoma haematobium, human, with and without other helminthic infections, serodiagnosis, various schistosome antigens plus Ascaris suum and Fasciola hepatica tested in Cercarienhullenreaktion, indirect immunofluorescence, indirect haemagglutination, complement fixation, and double gel diffusion tests, evaluation of sensitivity and specificity, attempt to correlate results of serologic tests with some clinical symptoms and with influence of chemotherapy

Immunofluorescence
Undeen, A. H.; and Alger, N. E., 1977, Science Biol. J., v. 3 (1), 259-262
Nosema algerae in white mice (exper.), antibody detected by indirect fluorescent antibody test and by slide spore agglutination test, possible usefulness in safety evaluation phase of prospective microsporida biological control agents to determine mammalian exposure

Immunofluorescence
Valkoun, A.; and Jira, J., 1975, J. Protozool., v. 22 (3), 69A [Abstract]
Toxoplasma gondii, use of lyophilized antigen for indirect fluorescent antibody test

Immunofluorescence
Verma, B. B.; and Gautam, O. P., 1977, Indian Vet. J., v. 54 (10), 809-813
Trypanosoma evansi, buffaloes, calves (both exper.), diagnosis, comparison of passive haemagglutination, gel diffusion and indirect fluorescent antibody tests

Immunofluorescence
Vetter, J. C. M.; and Klaver-Wesseling, J. C., M., 1977, Trop. and Geogr. Med., v. 29 (3), 319 [Abstract]
hookworms, dogs, detection of antibodies using indirect fluorescent antibody technique was successful against cryostat sections of infective larvae but not against living infective larvae

Immunofluorescence
Waller, T., 1977, Lab. Animals, v. 11 (2), 93-97
Encephalitozoon cuniculi, rabbits, rapid diagnosis by india-ink immunoreaction, comparison with indirect fluorescent antibody and skin hypersensitivity tests

Immunofluorescence
Warren, M.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 20-25
Plasmodium falciparum, human, localized epidemics, serologic assessment with indirect fluorescent antibody method provides valuable information but must be interpreted in association with other known epidemiologic factors: El Salvador; Panama

Immunofluorescence
Weiland, G.; and Kaggwa, E., 1976, Ztschr. Parasitenk., v. 50 (2), 177
Besnoitia besnoiti, B. jellisoni, rabbits, indirect immunofluorescence tests, enzyme labelling tests

Immunofluorescence
Weiss, N.; and Degremont, A., 1976, Praxis, Bern, v. 65 (24), 742-744
human malaria, comparative evaluation of Plasmodium gallinaceum, P. falciparum and P. cynomolgi bastianellii as antigens for indirect immunofluorescence used for diagnosis

Immunofluorescence
Weiss, N.; and Degremont, A., 1976, Tropenmed. u. Parasitol., v. 27 (3), 377-384
filariasis in persons returning from endemic areas, comparison immunoserologic diagnostic tests (immunoelectrophoresis, indirect fluorescent antibody, indirect hemagglutination, two-dimensional gel diffusion tests) showed that highest sensitivity obtained with immunoelectrophoresis, combined tests gave best results

Immunofluorescence
Wellde, B. T.; et al., 1973, Isotopes and Radiation Parasitol. III, 181-183
Trypanosoma congolense, cattle, clinical signs and parasitaemia, haematology, serum proteins, serum biochemical components, histopathologic findings, diagnosis by complement fixation test compared with indirect fluorescent antibody test

Immunofluorescence
Wells, E. A.; Betancourt, A.; and Ramirez, L. E., 1977, J. Protozool., v. 24 (4), 41A-42A [Abstract]
Trypanosoma vivax, cattle, positive sera in indirect fluorescent antibody test demonstrated in Colombia, El Salvador, Costa Rica, Ecuador, Peru, the Mato Grosso of Brasil and Paraguay

Immunofluorescence
Wiesenhuetter, E., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (1), 60-66
trypanosomiasis, Zebu cattle, diagnosis, comparison of indirect fluorescent antibody test with microscopic examination, IFA proved to be reliable and rapid diagnostic aid useful for epizootiological studies: Tanzania

Immunofluorescence
Wikerhauser, T., 1975, Vaccination of cattle against cysticercosis /C. bovis. Final research report. 33 pp., illus.
Taenia saginata, calves, immunizing trials (homologous and heterologous vaccines, passive immunization with homologous antiserum), highest protection against oral challenge observed in calves receiving intramuscular injection of hatched non-attenuated homologous oncospheres; homologous antiserum proved ineffective; indirect fluorescent antibody test, especially micro-IFAT, useful for herd screening of bovine cysticercosis

Immunofluorescence
Wilkins, H. A.; and Capron, A., 1977, Ann. Trop. Med. and Parasitol., v. 71 (2), 186-195
Schistosoma haematobium in Gambian community, relation of antibody levels to age (indirect fluorescent antibody and indirect haemagglutination tests), seasonal changes in antibody level, relation of antibody to subsequent changes in egg output, results suggest that serologic parameters may have some relationship to protective immunity and immune response should be considered as factor in epidemiologic studies

Immunofluorescence
Willaert, E.; and Stevens, A. R., 1976, Path. Biol., v. 24 (2), 89-91
Acanthamoeba castellani, purified plasma membranes, elicited antisera assayed by immunoprecipitation and immunofluorescence methods, cross reaction with other species of Acanthamoeba; plasma membrane antisera may allow identification of species or even strains

Immunofluorescence
Willaert, E.; and Stevens, A. R., 1976, Path. Biol., v. 24 (8), 545-547
Acanthamoeba castellanii, A. culbertsoni, humans, fatal meningoencephalitis, case reports, indirect immunofluorescence diagnosis at post-mortems: Texas; Peru; Venezuela

Immunofluorescence
Wilson, M.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, part 1), 1159-1163
human schistosomiasis, serodiagnosis evaluating the indirect immunofluorescence (IIF) and complement fixation (CF) tests concluded that IIF with adult antigen is more sensitive and as specific as CF and therefore is the procedure of choice for routine diagnostic serology

Immunofluorescence
Wilson, R. J. M.; and Williams, K., 1973, Ann. Trop. Med. and Parasitol., v. 67 (1), 15-20
European with suspected pyrimethamine-resistant malaria, serological study (flurorescent antibody test, C-reactive protein, precipitin test, immunoglobulin levels), precipitating antibodies demonstrated against two specific malarial antigens, differences from antibodies seen in sera from repeatedly infected Africans: The Gambia, West Africa

Immunofluorescence
Wong, M. M., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (6), 479-490
Dirofilaria immitis in normal and immunosuppressed Macaca spp., histopathology, W.B.C. and eosinophil counts, radiological examination, serological examination by IFA test, recovery of adult worms only in immunosuppressed hosts indicates that host susceptibility rather than parasite infectivity was the factor concerned

Immunofluorescence
Wosu, N. J.; et al., 1977, Lab. Animal Sc., v. 27 (2), 210-216
Encephalitozoon cuniculi, rabbits (exper.), diagnosis by immunofluorescence and intradermal test, no cross reactions between E. cuniculi and experimentally induced Toxoplasma gondii, Eimeria perforans, or E. stiedai

Immunofluorescence
Yarzabal, L.; et al., 1976, Exper. Parasitol., v. 40 (3), 391-396
Echinococcus granulosus hydatid cysts, tissue localization of specific antigen "5" detected by indirect immunofluorescent test

Immunofluorescence
Yogore, M. G.; Ozcel, M. A.; and Lewert, R. M., 1976, Am. J. Trop. Med. and Hyg., v. 25 (2), 353-354
Schistosoma japonicum, immunofluorescence of circumoval precipitate, all three major Ig classes found to participate in formation of precipitate (IgA < IgG < IgM), IgE and C3 also contributed

Immunofluorescence
Yong, W. K., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 338-344
Wuchereria bancrofti, human, immunodiagnosis by indirect fluorescent antibody test using actual causal agent as antigen (micro-fragments of microfilariae and/or infective stage larvae)

Immunofluorescence
Zeromski, J.; and Jazbor, A., 1969, Acta Parasitol. Polon., v. 17 (1-19), 119-125
Trichinella spiralis, rats, localization of antigens by direct and indirect immunofluorescence, methods compared, antigens found only within developing parasite, probably immunological mechanisms not active in production of clinical symptoms

Immunofluorescence
Zeromski, J.; and Jazbor, A., 1969, Acta Parasitol. Polon., v. 17 (1-19), 127-130
Trichinella spiralis, rats, immunofluorescent fixation of heterologous complement by larval antigens; antilarval antibodies apparently present in host serum very early

Immunofluorescence
Zuckerman, A., 1977, Exper. Parasitol., v. 42 (2), 374-446
Plasmodium, immunology, extensive review: immunodiagnosis and seroepidemiology; immunopathology; antigenic analysis; host responses; immunoglobulins; cell-mediated reactions

Immunofluorescence
Zuckerman, A.; and Jacobson, R. L., 1976, Internat. J. Parasitol., v. 6 (2), 103-106
Plasmodium berghei, rats, transfer of normal or immune spleen cells induces accelerated fluorescent antibody response, only immune cells induce protection against challenge; pre-treatment of donors with cyclophosphamide depletes spleens but affects neither antibody response nor protection-inducing potential in recipients

Immunoglobulins. See Immunity; Proteins, Blood.

Immunological deficiency states. See Immunological unresponsiveness.

Immunological tolerance. See Immunological unresponsiveness.

Immunological unresponsiveness
Ackerman, S.; and Seed, J. R., 1973, J. Protozool., v. 20 (4), 511
immunosuppression in Trypanosoma gambiense-infected Microtus montanus detected by reduced immune response to human red blood cells and by immunocytoadherence experiments

Immunological unresponsiveness
Ackerman, S. B.; and Seed, J. R., 1976, Clin. and Exper. Immunol., v. 25 (1), 152-158
Trypanosoma brucei gambiense in Microtus montanus, immunodepression of both humoral and cell-mediated immune responses, previously established specific antibody levels not affected by infection, specific antibody-producing capabilities of suramin-cured hosts were comparable to uninfected controls

Immunological unresponsiveness
Ackerman, S. B.; and Seed, J. R., 1976, Experientia, v. 32 (5), 645-647
tryptophol administered to Microtus montanus and white mice, depressed antibody production to human erythrocytes, no alteration of cell-mediated responses to oxazalone, trypanosome-produced tryptophol may account for immunodepression during trypanosomiasis

Immunological unresponsiveness
Ackerman, S. B.; and Seed, J. R., 1976, Infect. and Immun., v. 13 (2), 388-391
Trypanosoma brucei gambiense-infected Microtus montanus, increased susceptibility to Ehrlich's tumor growth, implications of trypanosome-induced immunosuppression toward susceptibility to neoplastic growth

Immunological unresponsiveness
Aiuti, F.; et al., 1977, Ztschr. Immunitaetsforsch., v. 153 (2), 95-106
Pneumocystis carinii and giardiasis as conditions which should alert paediatricians to possible diagnosis of severe combined immunodeficiency and related syndromes

Immunological unresponsiveness
Albright, J. F.; Albright, J. W.; and Dusanic, D. G., 1977, J. Reticuloendothel. Soc., v. 21 (1), 21-31
Trypanosoma musculi, mice, correlation between parasitemia, splenic enlargement, and suppression of humoral immune response assessed both in vivo and in vitro, spleen cells of infected mice were unresponsive to both B and T cell mitogens during time of marked splenomegaly, blood serum of infected mice and extract of parasite both inhibit humoral immune response

Immunological unresponsiveness
Ali-Khan, Z.; and Seemayer, T. A., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (5-6), 473-476
Strongyloides stercoralis, fatal bowel infarction and septicemia in man with systemic strongyloidiasis, clinical case report, possible relationships between auto-infection and long-term steroid therapy: Montreal, Canada (immigrant from Hong Kong)

Immunological unresponsiveness
Anderson, W. I.; et al., 1977, Avian Dis., v. 21 (4), 637-641
Eimeria tenella, development of immunity in chicks experimentally infected with infectious bursal disease virus at various times before and during coccidial challenge, results indicate viral infection prior to or concurrent with Eimeria tenella immunization significantly reduced immune protection

Immunological unresponsiveness
Andreassen, J.; Hindsbo, O.; and Ruitenberg, J., 1976, Parasitology, v. 73 (2), xxx-xxxi [Abstract]
Hymenolepis diminuta in congenitally athymic nude mice, primary immune response is not only thymus-dependent but dose-dependent, failure to show challenge responses may be because immunization doses were too low

Immunological unresponsiveness
Araujo, F. G.; et al., 1977, Clin. and Exper. Immunol., v. 28 (2), 289-291
Schistosoma mansoni, impairment of cell-mediated immune response in mice with mature infections as measured through rejection of skin grafts

Immunological unresponsiveness
Assoku, R. K. G.; Tizard, I. R.; and Nielsen, K. H., 1977, Lancet, London (8045), v. 2, 956-958
human African trypanosomiasis, hypothesis that immunosuppression may be result of collective immunosuppressive effects of trypanosome-derived immune-modulating free fatty acids, polyclonally stimulated B-cell mitogen and complement-activating factors

Immunological unresponsiveness
Bach, J. F., 1976, Path. Biol., v. 24 (2), 117-125
human protozoan diseases in patients receiving immunosuppressive agents depressing T lymphocytes and B lymphocytes, brief review

Immunological unresponsiveness
Bailenger, J.; et al., [1977], Ann. Parasitol., v. 51 (6), 1976, 653-665
Strongyloides ratti, rats, inhibition of self cure by treatment with glucocorticosteroids or ACTH

Immunological unresponsiveness
Bale, P. M.; and Mani, M. K., 1970, Pathology, v. 2 (4), 317-322
Pneumocystis carinii in patients after renal transplantations, necropsy assessment of significance of Pneumocystis in pulmonary disease of transplant recipients: Sydney, Australia

Immunological unresponsiveness
Bamford, C. R., 1975, Neurology, v. 25 (4), 343-345
Toxoplasma gondii presenting with symptoms of brain abscess and meningitis in 41-year-old man being treated for scleroderma with cyclophosphamide, some improvement after therapy with sulfisoxazole and pyrimethamine: Tuscon, Arizona

Immunological unresponsiveness
Baron, R. W.; and Tanner, C. E., 1976, Internat. J. Parasitol., v. 6 (1), 37-42
Echinococcus multilocularis in T-cell depleted A/J mice, adult thymectomy enhances metastasis but not growth of cysts, combined thymectomy and antithymocyte serum enhances both cyst growth and metastasis, suggested that cell-mediated immunity controls early phase of infection

Immunological unresponsiveness
Behnke, J. M.; Wakelin, D.; and Wilson, M. M., 1977, Parasitology, v. 75 (2), xxxiv-xxxv [Abstract]
interactions between intestinal phase of Trichinella spiralis and Nematospiroides dubius

Immunological unresponsiveness
Belehu, A.; Poulter, L. W.; and Turk, J. L., 1976, Clin. and Exper. Immunol., v. 24 (1), 125-132
Leishmania enriettii, guinea pigs, pretreatment with cyclophosphamide, increased intensity of initial lesion and increased incidence of widespread metastases, decreased levels of circulating antibody, possible differential roles of cell-mediated immunity and humoral antibody in cutaneous leishmaniasis

Immunological unresponsiveness
Belehu, A.; Poulter, L. W.; and Turk, J. L., 1976, Infect. and Immun., v. 14 (2), 457-462
hamsters, effect of Plasmodium berghei or P. yoelii malaria on concurrent Leishmania enriettii infection depended on relative timing of two infections

Immunological unresponsiveness
Bello, T. R.; Amborski, G. F.; and Torbert, B. J., 1973, Am. J. Vet. Research, v. 34 (10), 1291-1297
methotrexate, immunosuppressive and toxic effects used alone or in combination with antihistamine compounds on parasite-free or Strongylus vulgaris-infected ponies

Immunological unresponsiveness
van Berkel, W.; Kuipers, F. C.; and Spruit, T. C., 1976, Nederl. Tijdschr. Geneesk., v. 120 (32), 1368-1370
Toxoplasma gondii, woman undergoing treatment for chronic Hodgkin's disease, death as a result of necrotizing encephalitis caused by toxoplasmosis

Immunological unresponsiveness
Bitoun, A.; et al., 1972, Nouv. Presse Med., v. 1 (29), 1935-1937
massive severe strongyloidiasis in young woman being treated with cortico-steroids, thiabendazole therapy, clinical case report: Paris, France (native of Gabon)

Immunological unresponsiveness
Blair, L. S.; and Campbell, W. C., 1976, J. Parasitol., v. 62 (1), 163-164
Taenia crassiceps metacestodes, successful exper. infection of normal as well as immunosuppressed rats, greater larval multiplication in female hosts

Immunological unresponsiveness
Bland, P. W., 1976, Parasitology, v. 72 (1), 93-97
Hymenolepis diminuta, retention of infection in congenitally athymic nude mice, evidence that immune rejection from normal mice is thymus-dependent

Immunological unresponsiveness
Bomford, R.; and Wedderburn, N., 1973, Nature (5398), v. 242, 471-473
Plasmodium berghei yoelii infection potentiates induction of lymphomas in mice by Moloney leukaemia virus, effect accompanied by reduction in detectable levels of circulating neutralizing antibody to the virus and in particular by absence of IgG neutralizing antibody

Immunological unresponsiveness
Brambilla, E.; Galli, L.; and Caprotti, M., 1974, Riv. Parassitol., Roma, v. 35 (4), 237-244
Plasmodium berghei in Mus musculus subject to thermal stress or whole-body irradiation, lower dose of chloroquine is therapeutically effective

Immunological unresponsiveness
Bray, R. S.; and Harris, W. G., 1977, Clin. and Exper. Immunol., v. 29 (1), 147-151
Entamoeba histolytica, guinea pigs, cellular immune responses to amoebic liver abscess, no dermal hypersensitivity but positive lymphocyte transformation and macrophage-migration inhibition, time sequence of responses, role of immunodepression unclear

Immunological unresponsiveness
Brener, Z.; and Chiari, E., 1971, Tr. Roy. Soc. Trop. Med. and Hyg., v. 65 (5), 629-636
Trypanosoma cruzi strains in mice (exper.), effect of immunosuppressive agents (gamma radiation, cyclophosphamide, imuran, and 6-mercaptopurine) administered during the course of chronic infection

Immunological unresponsiveness
Brito, I. V.; Peel, M. M.; and Ree, G. H., 1976, J. Trop. Med. and Hyg., v. 79 (7), 161-163
Schistosoma mansoni-infected mice, reduced antibody response to tetanus antitoxin in comparison trials with uninfected mice, public health implications in endemic areas

Immunological unresponsiveness
Brown, A. R.; Crandall, C. A.; and Crandall, R. B., 1977, J. Parasitol., v. 63 (5), 950-952
Ascaris suum in mice with X-linked B lymphocyte defect, immune response and acquired resistance

Immunological unresponsiveness
Brown, A. R.; Crandall, R. B.; and Crandall, C. A., 1976, J. Parasitol., v. 62 (1), 169-171
Heligmosomoides polygyrus-infected mice, increased IgG catabolism as possible factor in observed suppression of circulating antibody levels following immunization to sheep erythrocytes

Immunological unresponsiveness
Brown, I. N.; Watson, S. R.; and Sljivic, V. S., 1977, Infect. and Immun., v. 16 (2), 456-460
antibody response in vitro of spleen cells from Plasmodium yoelii-infected mice, response to sheep erythrocytes enhanced at early stage of infection and depressed at later intervals, cell fractionation experiments indicated a defect of macrophage function, response to dinitrophenylated Ficoll remained normal

Immunological unresponsiveness
Bryceson, A. D. M.; Bray, R. S.; and Dumonde, D. C., 1974, Clin. and Exper. Immunol., v. 16 (2), 189-201
Leishmania enriettii, guinea pigs inoculated with graded doses, relationship between clinical course of infection and immunological response, selective suppression of cell-mediated immunity, extent of delayed hypersensitivity closely related to degree of host resistance, role of humoral antibody less clear

Immunological unresponsiveness
Brys, R.; Haemers, J.; and Barbier, F., 1974, Nederl. Tijdschr. Geneesk., v. 118 (24), 904-908
acute miliary form of toxoplasmosis in girl at age 8 with resulting chronic liver disease later in life, exacerbation of both conditions after immunosuppressive therapy: Netherlands

Immunological unresponsiveness
Brzosko, W. J.; et al., 1976, National Cancer Inst. Monograph (43), 163-169
Pneumocystis carinii, infants, immunofluorescence and immunoelectron microscopic study of tissue, antibodies are essential in elimination of P. carinii through their opsonization of the organisms, disintegration of P. carinii conglomerates subsequent to binding of complement to immune complexes preceded their phagocytosis, replication of P. carinii at rate leading to clinical symptoms is due to impaired and delayed synthesis both of specific antibodies and of complement

Immunological unresponsiveness
Buerger, H. J., 1977, Zentralbl. Vet.-Med., Reihe B, v. 24 (1), 1-24
Trichinella spiralis, interference with the cellular immunological system of rats, antithymocyte serum and an antiserum retarded immune elimination of T. spiralis from intestine, more pronounced effects in neonatally thymectomized rats; homologous immune serum unable to restore the retarding effect of neonatal thymectomy and/or antithymocyte serum treatment; results suggest that T cells are involved in immune elimination

Immunological unresponsiveness
Burke, B. A., 1976, National Cancer Inst. Monograph (43), 151-156
Pneumocystis carinii infection in humans, methods of diagnosis particularly in immunodeficient patient, classic morphology of organism, review

Immunological unresponsiveness
Burke, B. A.; and Good, R. A., 1973, Medicine, Baltimore, v. 52 (1), 23-51
review of case histories and pathologic findings in 46 patients with Pneumocystis carinii infections, comparison of mode of clinical onset, methods of diagnosis, response to therapy and known immunologic features, extensive literature review, morphologic description of organism

Immunological unresponsiveness
Buss, D. H., 1971, North Carolina Med. J., v. 32 (7), 269-274
Strongyloides stercoralis in woman, severe disseminated fatal infection associated with leukemia and immunosuppressive therapy, clinical aspects: North Carolina

Immunological unresponsiveness
Byram, J. E.; and von Lichtenberg, F., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 944-956
Schistosoma mansoni, schistosome egg-induced lesions in nude mice compared with heterozygous controls, nude mice lacked hypersensitivity granulomas and failed to sequester toxic egg products which resulted in zonal hepatocellular damage

Immunological unresponsiveness
Camus, D.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 290 [Demonstration]
Schistosoma mansoni, modulation of host immune response by antagonistic factors released by schistosomes

Immunological unresponsiveness
Canto Solis, A.; et al., 1975, Prensa Med. Mexicana, v. 40 (9-10), 275-281
Entamoeba histolytica, human hepatic abscess, immunologic study of infected persons revealed evidence of altered humoral and cellular immunity

Immunological unresponsiveness
Capbern, A.; el al., 1977, Exper. Parasitol., v. 43 (1), 1-11
Trypanosoma equiperdum, multiplication in diffusion chambers implanted subcutaneously in the dorsal region of mice, effect of immunosuppressants, of immune serum, of temperature, of acquired immunity

Immunological unresponsiveness
Capron, A.; et al., 1977, Ann. Immunol., v. 128C (1-2), 541-556
impairment of immune response in parasitic infections characterized by high prevalence of autoantibodies and by immunosuppression, review discussing malaria, trypanosomiasis, trichinosis, and schistosomiasis, with some original material on the last

Immunological unresponsiveness
Chapman, H. D., 1974, Research Vet. Sc., v. 16 (1), 7-11
course of mixed coccidial infection acquired by lambs born at pasture, immunity to challenge following this natural infection and following artificial infection (with primarily Eimeria ninakohlyakimovae), betamethasone administration caused increases in oocyst output

Immunological unresponsiveness
Chen, D. H.; Tigelaar, R. E.; and Weinbaum, F. I., 1977, J. Immunol., v. 118 (4), 1322-1327
Plasmodium berghei, immunization of T and B cell-deficient mice with x-irradiated sporozoites, results demonstrate preeminent role for T cells in induction of protective immunity against sporozoite infection

Immunological unresponsiveness
Chen, P.; and Dean, D. A., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 963-974
Schistosoma mansoni, in vitro blastogenesis and macrophage migration inhibition factor (MIF) production in response to cercarial, adult worm, and egg antigens tested in guinea pigs; early cessation of MIF response to schistosome antigens suggests MIF assay as useful tool for examining immune suppression to schistosomiasis

Immunological unresponsiveness
Chimyshkyan, K. L.; et al., 1976, Biomedicine, v. 25 (5), 176-180
inhibition of transplantation immunity and ability of lymphoid cells to induce graft-versus-host reactions during certain phases of Trichinella spiralis infections

Immunological unresponsiveness
Cioli, D.; and Dennert, G., 1976, J. Immunol., v. 117 (1), 59-65
Schistosoma mansoni, effects of immunosuppression on pattern of infection in inbred rats that were thymectomized, irradiated, and reconstituted with T cell-free bone marrow cells, results show definite involvement of immune system in 'self-cure' phenomenon but may suggest involvement of other non-immune mechanisms as well

Immunological unresponsiveness
Clarkson, M. J., 1976, Parasitology, v. 73 (2), viii [Abstract]
Trypanosoma brucei, differential serum IgM response in different strains of mice, immunosuppression to sheep red blood cells demonstrated in mice with both high and low IgM concentrations

Immunological unresponsiveness
Colley, D. G.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 917-925
Schistosoma mansoni, human lymphocyte blastogenic responses to schistosome antigen preparations, suppressive effects of patient sera on responses induced by schistosome eggs and adult worms increased in relationship to duration of serum donor's schistosomal infection, indications that patients develop serum components which interfere with responsiveness of lymphocytes to schistosome-derived antigenic preparations

Immunological unresponsiveness
Connan, R. M., 1976, Vet. Rec., v. 99 (24), 476-477
gastrointestinal nematodes, suppressed immune response of host during lactation primarily of endocrinal origin, review

Immunological unresponsiveness
Corba, J.; and Spaldonova, R., 1974, Biologia, Bratislava, s. B, Zool. (1), v. 29 (2), 167-173
Trichinella spiralis, mice, immunosuppressive substances given at intestinal phase cause significant increase of muscle trichinellae, but only slight increase when given at migratory phase; host immunity mechanism more effective at intestinal phase and its inhibition causes longer stay in intestine, higher reproduction and more larvae in muscle phase

Immunological unresponsiveness
Corbeil, L. B.; et al., 1976, Clin. Immunol. and Immunopathol., v. 6 (2), 165-173
canine visceral leishmaniasis with amyloidosis, immunopathological case report, inappropriate increase in humoral response and decrease in cell-mediated immunity: New York State; imported from Greece

Immunological unresponsiveness
Corsini, A. C.; et al., 1977, Clin. and Exper. Immunol., v. 29 (1), 122-131
Trypanosoma brucei, mice, immunodepressing effect of infection can be attributed to clonal exhaustion of B-cell potential caused by undefined blastogenic stimulus from parasites which may operate at least in part by generation of suppressive T cells and macrophages

Immunological unresponsiveness
Coulaud, J. P.; et al., 1975, Nouv. Presse Med., v. 4 (16), 1208-1209 [Letter]
human massive fatal strongyloidiasis associated with immunosuppressive therapy after renal transplant, clinical review

Immunological unresponsiveness
Cox, J. C., 1977, Infect. and Immun., v. 15 (2), 392-395
Encephalitozoon cuniculi-infected rabbits, depressed IgG response and elevated IgM response to Brucella abortus as immunogen

Immunological unresponsiveness
Crandall, C. A.; and Crandall, R. B., 1976, Exper. Parasitol., v. 40 (3), 363-372
Ascaris suum, mice, definite but selective immunosuppression during acute infection

Immunological unresponsiveness
Crandall, R. B.; Crandall, C. A.; and Muth, B., 1976, J. Parasitol., v. 62 (2), 321-323
acute Plasmodium berghei yoelii infection in mice, comparison of delayed hypersensitivity response mediated through spleen vs. that mediated through peripheral lymph nodes

Immunological unresponsiveness
Cypess, R. H.; et al., 1974, J. Infect. Dis., v. 130 (5), 534-538
Nematospiroides dubius, influence of parasitic infection in mouse (exper.) on enteric colonization and immune response to Escherichia coli

Immunological unresponsiveness
Dale, D. C.; and Petersdorf, R. G., 1973, Med. Clin. North Am., v. 57 (5), 1277-1287
parasitic infections in the immuno-suppressed steroid-treated patient, review

Immunological unresponsiveness
Dalesandro, D. A.; and Klei, T. R., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 534-535 [Letter]
Dipetalonema viteae-infected Mesocricetus auratus (exper.) and Meriones unguiculatus (exper.) showed immunodepression at 10 but not at 5 weeks post-inoculation, possible association between microfilaremia and immunodepression

Immunological unresponsiveness
Dallas, A. B. C., 1976, J. Trop. Med. and Hyg., v. 79 (8), 182-188
Trypanosoma brucei rhodesiense, Plasmodium berghei yoelii, mice, mutual potentiation of concurrent infections, possibly caused by immunosuppression

Immunological unresponsiveness
Dessaint, J. P.; et al., 1977, European J. Immunol., v. 7 (9), 624-629
Schistosoma mansoni, inhibition of lymphocyte proliferation by factor(s) produced by parasite, could explain part of immunosuppression status found in schistosomiasis

Immunological unresponsiveness
Dessaint, J. P.; Camus, D.; and Capron, A., 1977, Ann. Immunol., v. 128C (1-2), 57-58
Schistosoma mansoni, release of immunosuppressive factors in vitro and in vivo

Immunological unresponsiveness
DeVita, V. T., jr.; et al., 1976, National Cancer Inst. Monograph (43), 41-47
Pneumocystis carinii pneumonia in patients with cancer, differential diagnosis, clinical aspects, pentamidine isethionate

Immunological unresponsiveness
Diffley, P.; Skeels, M. R.; and Sogandares-Bernal, F., 1976, Ztschr. Parasitenk., v. 49 (2), 133-137
Naegleria fowleri, guinea pigs infected subcutaneously, tested with antigen derived from trophozoites, delayed hypersensitivity reaction; differences in immunocompetence of guinea pigs infected subcutaneously or intranasally discussed

Immunological unresponsiveness
Dominguez O., J.; et al., 1977, Veterinaria, Mexico, v. 8 (2), 37-41
Sarcoptes scabiei canis, experimental transmission to dog from human having Turner's syndrome and scabies, possibility of human cases of canine scabies under conditions of hormone imbalance or immunological unresponsiveness

Immunological unresponsiveness
Dorchies, P., 1975, Rev. Med. Vet. Toulouse, v. 126 (10), 1237-1248
helminthiasis, delayed and immediate hypersensitivity, immunological tolerance, epidemiological and pathological aspects, application to diagnosis and immunization, review

Immunological unresponsiveness
Drouhet, E.; and Dupont, B., 1976, Path. Biol., v. 24 (2), 99-116
human parasitic disease in patients receiving immunosuppressive treatment, literature review

Immunological unresponsiveness
Druilhe, P.; Monjour, L.; and Gentilini, M., 1976, Nouv. Presse Med., v. 5 (22), 1430-1431 [Letter]
Plasmodium falciparum, possible placental transfer from mother to infant of soluble antigens inducing specific immune tolerance

Immunological unresponsiveness
Dutz, W.; et al., 1976, National Cancer Inst. Monograph (43), 31-40
Pneumocystis carinii interstitial plasma cell pneumonia in premature infants whose passive immunity due to maternally transferred antibodies has lost its effectiveness before infant's humoral immune systems have reached maturity, statistical observations from Shiraz Orphanage in Shiraz, Iran

Immunological unresponsiveness
Dwork, K. G.; Jaffe, J. R.; and Lieberman, H. D., 1975, N. York State J. Med., v. 75 (8), 1230-1234
Strongyloides stercoralis, massive hyperinfection in humans with attenuated cell-mediated immunity, case report of mixed infection with toxoplasmosis, literature review of known cases, thiabendazole therapy helpful

Immunological unresponsiveness
Dyner, E.; and Liwski, R., 1974, Polskie Arch. Med. Wewn., v. 51 (2), 147-154
Trichomonas vaginalis, Bodo urinarius, effects of immunosuppressants in vitro and in vivo (mice)

Immunological unresponsiveness
Eardley, D. D.; and Jayawardena, A. N., 1977, J. Immunol., v. 119 (3), 1029-1033
Trypanosoma brucei, T cells from infected mice can mediate suppression of in vitro primary antibody response, adherent cells are also suppressive, B cells are not suppressive but neither are they normally responsive

Immunological unresponsiveness
El-On, J.; and Greenblatt, C. L., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 19 [Demonstration]
Trypanosoma lewisi, rats, increased susceptibility to infection when given cyclophosphamide (CyI-rats) as immuno-suppressive, possible role of exoantigens in development of anemia, precipitating antibodies to Trypanosoma lewisi in rabbits inoculated with plasma from CyI rats whether infected or not

Immunological unresponsiveness
Farah, F. S.; Lazary, S.; and De Weck, A., 1976, Immunology, v. 30 (5), 629-634
Leishmania tropica and its products are capable of inhibition of the stimulation of normal mouse and guinea-pig lymphocytes by phytohaemagglutinin, inhibition is dose-dependent and not dependent on competition for nutrients in medium nor on neutralization of phytohaemagglutinin, inhibition observed on lymphocytes of species susceptible to leishmanial infection but not operative in resistant species

Immunological unresponsiveness
Faubert, G. M., 1976, Immunology, v. 30 (4), 485-489
Trichinella spiralis, depression of plaque-forming cells to sheep red blood cells by new-born larvae in vivo (mice) and in vitro, transitory phenomenon

Immunological unresponsiveness
Faubert, G., 1977, Ann. Immunol., v. 128C (1-2), 281-282
Trichinella spiralis, mice, temporary immunodepression may be related to migrating phase only

Immunological unresponsiveness
Faubert, G. M., 1977, Exper. Parasitol., v. 43 (2), 336-341
Trichinella spiralis in Swiss mice, expulsion rate during primary and challenge infections, numbers of encysted muscle larvae also needed as assay for immunity, response of plaque-forming cells to sheep red blood cells in challenge infections used to determine timing of immunosuppression

Immunological unresponsiveness
Faubert, G. M.; and Tanner, C. E., 1975, Immunology, v. 28 (6), 1041-1050
Trichinella spiralis, leucoagglutinating and leucotoxic activity of serum of infected mice and of saline extracts of larvae, capacity of infected mouse sera to prolong skin allografts

Immunological unresponsiveness
Faulkner, S. L.; Richie, R. E.; and Conkle, D. M., 1977, Am. Rev. Resp. Dis., v. 115 (4, pt. 2), 104 [Abstract]
Pneumocystis carinii in immunosuppressed post-operative renal transplant patients, suggested methods to diagnose infection without resorting to thoracotomy

Immunological unresponsiveness
Freeman, J. C.; Hudson, K. M.; and Byner, C., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 149 [Abstract]
trypanosome-infected mice, immunosuppression with reduction of IgG producing cells, variations in response with administration of trypanocides prior and subsequent to antigen administration

Immunological unresponsiveness
Frenkel, J. K., 1977, Am. J. Path. (418), v. 86 (3), 749-752
Besnoitia jellisoni in Mesocricetus auratus (exper.), chronic infection of hamsters provides a sensitive example of immunosuppression by corticosteroids and cytostatic agents, permits study of corticosteroid effects on chronic infection-immunity in the adrenals or the body as a whole

Immunological unresponsiveness
van Furth, R.; and Jones, T. C., 1975, Infect. and Immun., v. 12 (4), 888-890
mouse peritoneal macrophages that have ingested killed Toxoplasma, hydrocortisone had no effect on phagosome-lysosome interaction, no change in intracellular microbicidal activity in macrophages treated with glucocorticosteroids

Immunological unresponsiveness
Garre, M.; et al., 1975, Nouv. Presse Med., v. 4 (6), 393-394
Pneumocystis carinii pneumonia in immunologically compromised patient with renal transplant, early diagnosis using distal bronchial brushings

Immunological unresponsiveness
Giebink, G. S.; et al., 1976, Pediatrics, Am. Acad. Pediat., v. 58 (1), 115-118
pneumonia unresponsive to antibiotics in 2 Vietnamese infant immigrants, Pneumocystis carinii diagnosed by lung biopsy, case reports, probable immune deficiencies, treated with pentamidine isethionate

Immunological unresponsiveness
Gingrich, R. E., 1973, J. Med. Entom., v. 10 (5), 482-487
Hypoderma lineatum, effects of host diet and immunosuppressant treatments (rabbit anti-mouse lymphocyte serum and whole-body irradiation) on survival and growth of larvae and on susceptibility of Mus musculus to infestation

Immunological unresponsiveness
Gold, E., 1974, Med. Clin. North Am., v. 58 (3), 649-659
toxoplasmosis, Pneumocystis carinii, infections associated with immunologic deficiency diseases of humans

Immunological unresponsiveness
Golenser, J.; et al., 1974, J. Protozool., v. 21 (3), 464 [Abstract]
Plasmodium berghei-infected rats, dynamics of response to sheep erythrocytes

Immunological unresponsiveness
Good, A. H.; and Miller, K. L., 1976, Infect. and Immun., v. 14 (2), 449-456
Taenia crassiceps, mice, depression of both primary and secondary antibody responses to sheep erythrocytes in vivo, secondary in vitro responses are consistently depressed in both spleen and mesenteric lymph node cell preparations from infected mice whereas primary in vitro responses are consistently depressed in mesenteric lymph node cell preparations but not always in spleen cell preparations

Immunological unresponsiveness
Greenwood, B. M.; and Greenwood, A. M., 1971, Tr. Roy. Soc. Trop. Med. and Hyg., v. 65 (5), 581-585
Plasmodium berghei yoelii-infected NZB and B/W hybrid mice, adult mice more susceptible to infection than young mice of same strains, probably due to defective cell-mediated immunity in adults

Immunological unresponsiveness
Greenwood, B. M.; Whittle, H. C.; and Molyneux, D. H., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (6), 846-850
Trypanosoma gambiense, human, immunosuppression, cell-mediated and humoral immunity both impaired

Immunological unresponsiveness
Grove, D. I.; Mahmound, A. A. F.; and Warren, K. S., 1977, Internat. Arch. Allergy and Applied Immunol., v. 54 (5), 422-427
metronidazole appears to suppress selectively some aspects of cell-mediated immunity, including granuloma formation around Schistosoma mansoni eggs in unsensitized but not in previously sensitized mice

Immunological unresponsiveness
Grove, D. I.; and Warren, K. S., 1976, Ann. Trop. Med. and Parasitol., v. 70 (4), 449-453
Trichinella spiralis, mice, niridazole suppresses cell-mediated reactions but leaves humoral antibody formation relatively intact

Immunological unresponsiveness
Hallett, J. J.; Fickenscher, L. G.; and Ablin, A. R., 1977, West. J. Med., San Francisco, v. 126 (6), 441-444
Pneumocystis carinii pneumonia in children, secondary complication of immunosuppressive therapy, factors to aid in early diagnosis by lung biopsy (open thoracotomy), pentamidine, case reports, clinical aspects: California

Immunological unresponsiveness
Harris, W. G.; and Bray, R. S., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 340-343
Entamoeba histolytica, humans in carrier and disease states, results of lymphocytic transformation in response to specific antigen and to mitogen, specific cellular immunodepression as possible factor in amoebic invasion of bowel mucosa

Immunological unresponsiveness
Hashiguchi, Y.; and Hirai, H., 1977, J. Helminth., v. 51 (1), 87-94
Paragonimus miyazakii, treatment of albino rats with immunosuppressants enhances parasite growth and maturation

Immunological unresponsiveness
Hawking, F.; Wilson, A. J.; and Paris, J., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 289 [Letter]
Trypanosoma congolense, effect of dexamethasone upon infection in calves, results suggest that anemia was not due to auto-immunization but probably due to direct toxic action of trypanosomes on blood

Immunological unresponsiveness
Hayes, T. J.; and Mitrovic, M., 1977, J. Parasitol., v. 63 (3), 584-587
Fasciola hepatica, rats, results indicate that protective immunity is expressed within first 24 hours after challenge, dexamethasone abrogated protective effect of previous infection

Immunological unresponsiveness
Healey, M. C.; and Gaafar, S. M., 1977, Vet. Parasitol., v. 3 (2), 121-131
Demodex canis, development of clinical signs of demodectic mange in beagle pups receiving mites and antilymphocyte serum, results indicate importance of cell-mediated response in immune defense against demodectic mange

Immunological unresponsiveness
Healey, M. C.; and Gaafar, S. M., 1977, Vet. Parasitol., v. 3 (2), 133-140
Demodex canis, dogs, immediate and delayed skin reactions to phytohemagglutinin and concanavalin A, suppression of delayed response suggests that dogs with demodicosis may have hypoactive cellular immune system, possible mechanism of immediate response

Immunological unresponsiveness
Hepler, D. I.; and Lueker, D. C., 1976, Experientia, v. 32 (3), 386-387
Nematospiroides dubius, high degree of native resistance of Peromyscus maniculatus to infection, infection only established with use of steroid treatment

Immunological unresponsiveness
Hepler, D. I.; Lueker, D. C.; and Rubin, R., 1976, J. Parasitol., v. 62 (3), 491-492
Nematospiroides dubius, vaccination, immune response of outbred mouse strains stronger than inbred ones, oral route of administering larvae superior to subcutaneous route, steroid hormones blocked expression of immunity in subcutaneously vaccinated mice but not in orally vaccinated ones

Immunological unresponsiveness
Herman, R.; and Farrell, J. P., 1977, J. Protozool., v. 24 (3), 429-436
Leishmania donovani, mice, cyclophosphamide suppresses acquired immunity if given when infection becomes chronic, from experiments using such cyclophosphamide-immunosuppressed mice it appears that neither specific humoral anti-leishmanial antibody nor 'immune' macrophages per se is directly responsible for the acquired immunity

Immunological unresponsiveness
Hindsbo, O.; Andreassen, J.; and Ruitenberg, J., 1976, Parasitology, v. 73 (2), xxx [Abstract]
Hymenolepis diminuta in ATS-treated rats, immune response delayed but not completely inhibited

Immunological unresponsiveness
Hirsh, D. C.; et al., 1975, Am. J. Vet. Res., v. 36 (11), 1591-1595
Demodex canis, suppression of in vitro reactivity of peripheral lymphocytes to phytohemagglutinin by serum from dogs with generalized demodicosis, possible role of T-lymphocyte dysfunction in pathogenesis

Immunological unresponsiveness
Hisano, S.; et al., 1973, Nippon Kyobu Shikkan Gakkai Zasshi (Japan. J. Thorac. Diseases), v. 11 (2), 79-89
Pneumocystis carinii, pathologic findings of 11 autopsies of persons with pneumocystic pneumonia associated with malignancies and steroid treatment, fine structure morphology of parasite: Japan

Immunological unresponsiveness
Hommel, M., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 268 [Demonstration]
Leishmania donovani, infection of ascitic tumor cells in mice (exper.), possible usefulness in study of host-parasite relationships at cellular level, little immunosuppressive effect of tumor on parasitemia

Immunological unresponsiveness
Hommel, M.; Peters, W.; and Chance, M. L., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 9-10 [Demonstration]
Leishmania braziliensis braziliensis, growth and development in immunosuppressed hamsters and nude mice, pathology

Immunological unresponsiveness
Hopkins, C. A.; and Zajac, A., 1976, Parasitology, v. 73 (1), 73-81
Hymenolepis diminuta, transplanted into various classes of mice (naive mice receiving cortisone, naive mice, irradiated naive mice, immunized mice, irradiated immunized mice), differences in time course of rejection response, surgical stress as a possible source of error

Immunological unresponsiveness
Houba, V., 1976, Pathophysiol. Parasit. Infect., 221-232
immunopathological mechanisms in parasitic disease, review (immune complexes; complement; autoimmunity; cell-mediated reactions; immunodepression)

Immunological unresponsiveness
Huber-Bruning, O.; et al., 1973, Nederl. Tijdschr. Geneesk., v. 117 (9), 331-337
toxoplasmosis in woman with associated acquired hypogammaglobulinemia, case report, immunodeficiency: Netherlands

Immunological unresponsiveness
Hudson, K. M.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 273 [Abstract]
T[rypanosoma] brucei brucei in mice (exper.), depressed immune responsiveness on challenge with heterologous antigens

Immunological unresponsiveness
Hudson, K. M.; et al., 1976, Nature (5583), v. 264, 256-258
Trypanosoma brucei brucei, mice, link between immunodepression, high IgM levels and evasion of immune response

Immunological unresponsiveness
Hudson, K. M.; Byner, C.; and Terry, R. J., 1976, Parasitology, v. 73 (2), ix [Abstract]
Trypanosoma brucei in S42 mice, data which support idea of link between immunodepression and raised levels of IgM characteristic of infection

Immunological unresponsiveness
Huldt, G.; Gard, S.; and Olovson, S. G., 1973, Nature (5414), v. 244, 301-303
Toxoplasma gondii, mice, infection affects both anatomy and function of thymus, long-lasting depression of immunological reactivity

Immunological unresponsiveness
Ibanez, E. A.; et al., 1976, Gac. Vet., Buenos Aires (307), v. 38, 7-13
Babesia equi, equine, determination of carriers, application of glucocorticoids to produce hosts for treatment studies

Immunological unresponsiveness
Irvin, A. D.; et al., 1973, Isotopes and Radiation Parasitol. III, 155-159
Theileria parva-macroschizont-infected bovine lymphoid cells inoculated into whole-body-irradiated mice, tumors containing macroschizont-infected lymphoid cells developed at inoculation site, no evidence that parasites had invaded mouse cells nor that mouse cells were involved in tumor formation, parasitized cells from tumors successfully transferred back to tissue culture and into other irradiated mice

Immunological unresponsiveness
Irvin, A. D.; et al., 1975, Nature (5511), v. 255, 713-714
Theileria parva-infected lymphoid cells, growth in irradiated athymic mice (extensive infiltration causing malignant neoplastic condition), comparison with bovine lymphosarcoma cells (discrete circumscribed tumors with no evidence of metastasis)

Immunological unresponsiveness
Irvin, A. D.; et al., 1977, Vet. Parasitol., v. 3 (2), 141-160
Theileria parva-infected lymphoid cells grown in culture inoculated by different routes into neonatal and adult immunosuppressed Swiss mice and into irradiated and non-irradiated athymic (nude) mice, successful establishment and passage in irradiated nude mice indicate potential usefulness of this model

Immunological unresponsiveness
Isaak, D. D.; Jacobson, R. H.; and Reed, N. D., 1977, Internat. Arch. Allergy and Applied Immunol., v. 55 (1-6), 504-513
Hymenolepis nana, kinetics of infection in normal vs. thymus-deficient mice, concluded that worm expulsion and reinfection immunity are thymus dependent and that tissue phase of infection is of prime importance in stimulating protective immune response

Immunological unresponsiveness
Ivady, G., 1976, Monatschr. Kinderh., v. 124 (7), 577-581
Pneumocystis carinii pneumonia, differentiation into type affecting premature infants and type affecting immunodeficient adults and children, prophylaxis and treatment with pentamidine, pyrimethamine, sulfamethazole

Immunological unresponsiveness
Jacobson, E. S.; and Jacobson, H. G., 1977, Am. J. Clin. Path., v. 68 (6), 791-794
Trichinella spiralis in an immunosuppressed human (leukemia patient), case report, clinical presentation and autopsy findings

Immunological unresponsiveness
Jacobson, R. H.; Reed, N. D.; and Manning, D. D., Immunology, v. 32 (6), 867-874
Nippostrongylus brasiliensis, mice experiencing immunosuppressive effects of anti-μ antibodies, worm expulsion unaffected even though antibody production potential had been eliminated, suggests that anti-worm antibodies may not be requisite in mechanism of expulsion

Immunological unresponsiveness
Jayawardena, A. N.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 426 [Demonstration]
Plasmodium berghei yoelii-infected intact and T-cell-deprived mice, P. b. berghei-infected mice, responses of spleen cells to phytohaemagglutinin (PHA) and bacterial lipopolysaccharide (LPS) investigated to define changes in functional activity of T- and B-cell populations and relationship to immunodepression

Immunological unresponsiveness
Jayawardena, A. N.; et al., 1977, Immunology, v. 32 (6), 849-859
Plasmodium berghei yoelii (P. yoelii), CBA mice, immunological response, general characteristics and effects of T-cell deprivation and reconstitution with thymus grafts

Immunological unresponsiveness
Jayawardena, A. N.; and Waksman, B. H., 1977, Nature (5594), v. 265, 539-541
spleen cells from Trypanosoma brucei-infected normal or nude mice, DNA synthetic response to T-cell and B-cell mitogens and allogeneic cells, ability of these spleen cells to influence responses of normal cells, evidence that thymus-dependent suppressor cells are involved in immunological hyporesponsiveness observed in trypanosomiasis

Immunological unresponsiveness
Jehn, U.; et al., 1976, Med. Welt., v. 27 (32), 1489-1492
Pneumocystis carinii pneumonia in man suffering from lymphogranulomatosis resulting in immune deficiency, case report, clinical management: Germany

Immunological unresponsiveness
Jenkins, D. C., 1977, Exper. Parasitol., v. 41 (2), 335-340
Nematospiroides dubius, course of primary and challenge infections in male and female Meriones unguiculatus, rate of establishment, morphology, sex ratio and distribution within host intestine, expulsion in primary infections, resistance to challenge infections, lactating jirds with depressed immunocompetence were significantly more susceptible to reinfection than nulliparous jirds of same age

Immunological unresponsiveness
Jenkins, S. N.; and Behnke, J. M., 1977, Parasitology, v. 75 (1), 71-78
Trichuris muris, mice, primary immune expulsion markedly delayed by concurrent infection with Nematospiroides dubius, possible relevance in pathogenesis of concurrent tropical diseases

Immunological unresponsiveness
Jenkins, S. N.; and Behnke, J. M., 1977, Parasitology, v. 75 (2), xxxiv [Abstract]
Trichuris muris, delay of primary expulsion in mice concurrently infected with Nematospiroides dubius

Immunological unresponsiveness
Jennings, F. W.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 277 [Abstract]
Trypanosoma brucei, mice, findings of increased catabolism of plasma proteins may be contributory factor in immunosuppressive effects associated with trypanosomiasis

Immunological unresponsiveness
Jennings, F. W.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 151 [Abstract]
T[rypanosoma] brucei-infected mice, immunosuppression, assessment of lymphoid cell response to antigenic stimulation by incorporation of iododeoxyuridine into lymph nodes; immunosuppression apparently specifically associated with presence of living trypanosomes as immunity partially restored if sensitization occurred same day as drug treatment

Immunological unresponsiveness
Jones, J. F.; Crandall, C. A.; and Crandall, R. B., 1976, Cellular Immunol., v. 27 (1), 102-110
Trichinella spiralis, mice, T-dependent suppression of primary antibody response to sheep erythrocytes

Immunological unresponsiveness
Kagei, N.; and Kihata, M., 1976, Bull. Inst. Pub. Health, Tokyo, v. 25 (2), 73-81
Trichuris muris, albino mice (exper.), cortisone-acetate, sharp reduction in worm numbers between 15 and 25 days after infection in untreated controls but not in treated mice

Immunological unresponsiveness
Kasuya, S.; Ohtomo, H.; and Ishizaki, T., 1977, Japan. J. Med. Sc. and Biol., v. 30 (6), 297-307
suppressing effects of purified eosinophils derived from Ascaris lumbricoides suum-immunized guinea pigs on lymphocyte blast formation

Immunological unresponsiveness
Kelly, J. D.; and Dineen, J. K., 1973, Immunology, v. 24 (3), 551-558
Nippostrongylus brasiliensis, suppression of rejection in castrated male rats treated with ovine prolactin, main effect of prolactin is directed towards the immunologically specific lymphoid phase of the worm rejection mechanism

Immunological unresponsiveness
Komandarev, S.; and Mikhov, L., 1972, Izvest. Tsentral. Khelmint. Lab., v. 15, 135-142
Trichinella spiralis, mice, experiments do not give evidence of intrauterine transmission of immunological tolerance or immunity

Immunological unresponsiveness
Krettli, A. U., 1977, J. Protozool., v. 24 (4), 514-518
Trypanosoma cruzi, mice, exacerbating effect of acute infection by Plasmodium berghei superimposed on course of chronic Chagas' disease

Immunological unresponsiveness
Krettli, A. U.; and Nussenzweig, R., 1974, Cellular Immunol., v. 13 (3), 440-446
Plasmodium berghei, mice, depletion of T and B lymphocytes during infection, probable causal relationship with malaria-induced immunosuppression

Immunological unresponsiveness
Kunstyr, I.; Ammerpohl, E.; and Meyer, B., 1977, Lab. Animal Sc., v. 27 (5), part II, 782-788
Spironucleus muris, nude mouse (exper.) an excellent model for immunologic and pharmacologic studies; dimetridazole, metronidazole, tinidazole, and Acranil tested

Immunological unresponsiveness
Kuttler, K. L.; and Adams, L. G., 1977, Am. J. Vet. Research, v. 38 (9), 1327-1330
Anaplasma marginale in splenectomized carrier calves, recrudescent infection resulted from dexamethasone treatment, serum and blood changes during and after treatment suggest blockage of cell-mediated immune system

Immunological unresponsiveness
Lau, W. K.; and Young, L. S., 1976, N. England J. Med., v. 295 (13), 716-718
Pneumocystis carinii pneumonia in adults on immunosuppressive therapy successfully treated with co-trimoxazole; results comparable to those reported for pentamidine

Immunological unresponsiveness
Lefkowitz, L. B., jr., 1977, N. England J. Med., v. 296 (1), 47 [Letter]
Pneumocystis carinii pneumonia in immunologically compromised patients, recommendations and suggestions for co-trimoxazole therapy

Immunological unresponsiveness
Lelchuk, R.; Cardoni, R. L.; and Fuks, A. S., 1977, Clin. and Exper. Immunol., v. 30 (3), 434-438
Trypanosoma cruzi, human, nifurtimox-induced alterations in cell-mediated immunity, detected particularly using peripheral leucocyte migration inhibition

Immunological unresponsiveness
Lewert, R. M., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 289-300
Schistosoma japonicum, humans, hypersensitivity, tolerance and immunopathology, current aspects, speculations

Immunological unresponsiveness
Lindberg, R. E.; and Frenkel, J. K., 1977, Infect. and Immun., v. 15 (3), 855-862
Toxoplasma gondii and Besnoitia jellisoni in vitro in hamster peritoneal exudate cells, antigenic stimulation of peritoneal cells and expression of immunity, inhibition of parasite growth by peritoneal macrophages armed either specifically or nonspecifically, expression of immunity by cells derived from hamsters treated with cortisol, effects of cortisol on (1) immune and non-immune lymphocytes, (2) arming of macrophages by lymphocytes, (3) the ability of peritoneal macrophages to destroy antibody-treated parasites

Immunological unresponsiveness
Lindberg, R. E.; and Frenkel, J. K., 1977, J. Parasitol., v. 63 (2), 219-221
Toxoplasma gondii in nude mice, failure to develop immunity during 3 weeks of sulfadiazine therapy while hirsute littermates developed immunity during this period, intraperitoneal injection of thymus cells from hirsute littermates enabled nude mice to develop immunity during drug prophylaxis but bone marrow cells or high-titered specific antibody did not prolong survival after sulfadiazine was discontinued, immunity appears dependent upon active cellular immunity with role of antibody uncertain

Immunological unresponsiveness
Ljungstroem, I., 1976, Pathophysiol. Parasit. Infect., 247-253
Trichinella spiralis, mice, delay in allograft rejection

Immunological unresponsiveness
Ljungstroem, I.; and Huldt, G., 1977, Acta Path. et Microbiol. Scand., v. 85C (2), 131-141
Trichinella spiralis, mice, humoral and cellular immune responses to unrelated antigens at different stages of infection, humoral response depressed during short period of infection but depression of cell mediated response is more severe and longer lasting

Immunological unresponsiveness
Long, P. L.; and Millard, B. J., 1976, Ztschr. Parasitenk., v. 48 (3-4), 287-290
Eimeria spp., immunized chickens, oocysts produced after corticosteroid treatment in some birds, possibly endogenous cycle continues or remains dormant; possible means of diagnosis of occult infection in apparently immune hosts

Immunological unresponsiveness
Longstaffe, J. A., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 150 [Abstract]
T[rypanosoma] b. brucei-infected guinea pigs, immunodepression in trypanosomiasis, attempts to characterize response of thymus-dependent lymphocytes

Immunological unresponsiveness
Longstaffe, J. A.; Freeman, J.; and Hudson, K. M., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 264-265 [Abstract]
Trypanosom[a] brucei brucei, mice, some thymus-dependent and thymus-independent immune responses, results support postulation of either impaired T cell viability or impaired T-B cell interaction

Immunological unresponsiveness
Loose, L. D.; and Di Luzio, N. R., 1976, Am. J. Trop. Med. and Hyg., v. 25 (2), 221-228
Plasmodium berghei, mice, temporal relationship between reticuloendothelial system phagocytic alterations and antibody responses, implications for mechanism of malaria-induced immunosuppression

Immunological unresponsiveness
Lubiniecki, A. S.; Cypess, R. H.; and Lucas, J. P., 1974, Tropenmed. u. Parasitol., v. 25 (3), 345-349
Trichinella spiralis-infected mice, altered distribution of intravenously injected sheep erythrocytes (reduced uptake by spleen) but no significant depression of resultant plaque-forming cells or circulating HA antibody

Immunological unresponsiveness
Lucas, S. V.; et al., 1977, J. Immunol., v. 118 (2), 418-422
niridazole-treated rats and a human patient, identification and purification of immunosuppressive activity in urine, purified fractions inhibited MIF production in vitro and suppressed cell-mediated granuloma formation around Schistosoma mansoni eggs in vivo (mice)

Immunological unresponsiveness
Lyra, L. G.; Reboucas, G.; and Andrade, Z. A., 1976, Gastroenterology, v. 71 (4), 641-645
hepatitis B surface antigen carrier state in hepatosplenic human Schistosoma mansoni, incidence and possible correlations with abnormal immune responses and hepatic pathology and cirrhosis

Immunological unresponsiveness
McBride, J. S.; Micklem, H. S.; and Ure, J. M., 1977, Immunology, v. 32 (5), 635-644
Plasmodium yoelii yoelii, P. berghei, mice, depression of antibody response to type III pneumococcal polysaccharide

Immunological unresponsiveness
McGhee, R. B., 1976, Exper. Parasitol., v. 39 (1), 88-94
Plasmodium gallinaceum-infected immunoincompetent chicken embryos, changes in blood picture in response to injection of serum from hyperimmunized chickens, results suggest definite role of immunity in anemia accompanying malaria, failure to clarify question of autoimmunity

Immunological unresponsiveness
Mahmoud, A. A. F.; et al., 1975, J. Immunol., v. 114 (1, Pt. 2), 279-283
Schistosoma mansoni, mice, niridazole at low doses suppressed granuloma formation around eggs and inhibited delayed footpad swelling in mice previously sensitized with eggs

Immunological unresponsiveness
Mahmoud, A. A. F.; Cheever, A. W.; and Warren, K. S., 1975, J. Infect. Dis., v. 131 (6), 634-642
Schistosoma mansoni in mice with streptozotocin-induced diabetes mellitus, no direct effect on parasite but profound effect on host reactivity, alleviation of clinical disease in acute stage probably related to generalized suppression of cellular hypersensitivity, exacerbation in chronic stage related to megalocytosis of hepatocytes

Immunological unresponsiveness
Mahmoud, A. A. F.; Strickland, G. T.; and Warren, K. S., 1977, J. Infect. Dis., v. 135 (3), 408-413
possible toxoplasmosis induced immunosuppression of cell-mediated immune response in Schistosoma mansoni-infected mice (exper.), mice with combined infections showed smaller hepatic granulomas and lower mean portal pressures than those with only schistosomal infections

Immunological unresponsiveness
Mahmoud, A. A. F.; and Warren, K. S., 1974, J. Immunol., v. 112 (1), 222-228
Schistosoma mansoni, mice, anti-inflammatory effects of tartar emetic and niridazole, suppression of schistosome egg granuloma

Immunological unresponsiveness
Mansfield, J. M.; Craig, S. A.; and Stelzer, G. T., 1976, Infect. and Immun., v. 14 (4), 976-981
Trypanosoma brucei, T. congolense, mitogenic effects of trypanosome extracts in vitro for lymphocytes from normal rabbits, possible relationship to immunological dysfunctions occurring in chronic African trypanosomiasis

Immunological unresponsiveness
Masihi, K. N.; and Werner, H., 1977, Experientia, v. 33 (12), 1586-1587
anti-Toxoplasma antibodies administered passively to mice may lead to suppression or enhancement of subsequent antibody response when these animals are later infected with Toxoplasma gondii, outcome dependent on infecting strain of Toxoplasma and antigen-antibody ratio, implications for possible influence which passively acquired maternal antibody may exert on foetus

Immunological unresponsiveness
Masihi, K. N.; and Werner, H., 1977, Zentralbl. Bakteriol., 1 Abt., Orig., v. 237 (2-3), 405-410
Toxoplasma gondii, mice, kinetics of antibody-mediated suppression of humoral immune response at a cellular level

Immunological unresponsiveness
Masson, R.; et al., 1975, Nouv. Presse Med., v. 4 (35), 2499-2502
cerebral toxoplasmosis with pseudo-tumoral symptoms of meningoencephalitis in immunologically compromised persons, clinical aspects, sulphadiazine-pyrimethamine therapy: Paris

Immunological unresponsiveness
Mellor, D. H.; and Purcell, M., 1976, Neuropaediatrie, v. 7 (4), 423-430
encephalitic illnesses (with visual loss, epilepsy, and right hemiparesis) in child in remission from acute leukemia, suggested involvement of both measles virus and Toxoplasma gondii as cause

Immunological unresponsiveness
Miller, D. A.; and Weg, J. G., 1977, Am. Rev. Resp. Dis., v. 115 (4, pt. 2), 267 [Abstract]
scabies in immunocompromised patient whose infection was masked by pustular psoriasis, epidemic outbreak in personnel caring for patient in intensive care unit, definitive and prophylactic therapy of personnel and contacts with gamma benzene hexachloride lotion: Michigan

Immunological unresponsiveness
Miser, J. S.; Savitch, J.; and Bleyer, W. A., 1977, N. England J. Med., v. 296 (1), 47 [Letter]
Pneumocystis carinii pneumonia in immunologically compromised patients, recommendations and suggestions for co-trimoxazole therapy

Immunological unresponsiveness
Mitchell, G. F.; et al., 1976, Internat. Arch. Allergy and Applied Immunol., v. 52 (1-4), 95-104
Nippostrongylus brasiliensis infections in hypothymic nu/nu mice

Immunological unresponsiveness
Mitchell, G. F.; et al., 1977, Austral. J. Exper. Biol. and Med. Sc., v. 55 (2), 187-211
Mesocestoides corti, examination of host immunoglobulins (in particular, antiparasite antibodies) associated with parasite larvae, comparison in hypothymic vs. intact mice

Immunological unresponsiveness
Mitchell, G. F.; Goding, J. W.; and Rickard, M. D., 1977, Austral. J. Exper. Biol. and Med. Sc., v. 55 (2), 165-186
Taenia taeniaeformis (Cysticercus fasciolaris), mice, antibodies and complement as factors influencing susceptibility/resistance; markedly increased susceptibility of certain complement-deficient mouse strains (in particular, males), of hypothymic mice, and of cyclophosphamide-treated mice; impressive protective activity of immune serum

Immunological unresponsiveness
Mitchell, G. F.; and Handman, E., 1977, Austral. J. Exper. Biol. and Med. Sc., v. 55 (5), 615-622
Mesocestoides corti-infected mice, non-specific immunosuppression after intraperitoneal injection of antigen, mechanism probably sequestration of antigen and its subsequent local destruction

Immunological unresponsiveness
Mitchell, G. F.; and Lewers, H. M., 1976, Internat. Arch. Allergy and Applied Immunol., v. 52 (1-4), 235-240
Ascaris suum, Nippostrongylus brasiliensis, mice, inhibition of an anti-DNP antibody response with DNP-Ficoll containing phosphorylcholine, results suggest that parasites may 'utilize' molecules such as phosphorylcholine to induce state of selective tolerance to parasite antigens as a mechanism for facilitating survival

Immunological unresponsiveness
Moore, D. L.; Heyworth, B.; and Brown, J., 1974, Clin. and Exper. Immunol., v. 17 (4), 647-656
phytohaemagglutinin-induced lymphocyte transformation in leucocyte cultures from malarious, malnourished, and control Gambian children, some depression of response to low doses of PHA in children with malaria

Immunological unresponsiveness
Moore, D. L.; Heyworth, B.; and Brown, J., 1977, Immunology, v. 33 (6), 777-785
Gambian children with acute Plasmodium falciparum malaria or with acute protein-energy malnutrition, phytohaemagglutin-induced lymphocyte transformation, depressed responses of purified lymphocytes in autologous plasma paralleled results with whole blood cultures

Immunological unresponsiveness
Mota-Santos, T. A.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 727-731
Schistosoma mansoni, mice, immunosuppression: during infection; reversal by oxamniquine treatment; induction by adult worm membrane preparations but not by egg extract

Immunological unresponsiveness
Moulton, J. E.; and Coleman, J. L., 1977, Am. J. Vet. Research, v. 38 (5), 573-579
Trypanosoma equiperdum, Peromyscus maniculatus infected with virulent trypanosomes, decreased immunologic response to injection of sheep red blood cells; deer mice given radioattenuated trypanosomes, normal to enhanced immunologic response

Immunological unresponsiveness
Moulton, J. E.; Coleman, J. L.; and Gee, M. K., 1975, Am. J. Vet. Research, v. 36 (4), 357-366
Trypanosoma equiperdum, pathogenesis in rabbits, lesions in skin, spleen, lymph nodes, and kidney, amyloid deposition, serum and tissue IgM and IgG, fluorescent antibody studies, agglutination test, depressed antibody response to ovine erythrocytes

Immunological unresponsiveness
Munoz, J. J.; and Cole, R. L., 1977, Infect. and Immun., v. 15 (1), 84-90
Trichinella spiralis-infected mice, relative unresponsiveness to passive cutaneous anaphylaxis induced with hen egg albumin and its corresponding antibodies, believed to be due to increase in production of IgE which competitively blocks mast cell sites for other IgE molecules

Immunological unresponsiveness
Murray, M.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 276-277 [Abstract]
Trypanosoma brucei, pathology in rats: progressive alteration in immunological apparatus leading to immunosuppressed state to other antigens; anemia; specific organ damage and failure

Immunological unresponsiveness
Murray, P. K.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 267 [Abstract]
Trypanosom[a] brucei, mice, inability to produce anti-sheep erythrocyte IgM, results suggest immunological defect induced by trypanosome infection may be associated with B cells

Immunological unresponsiveness
Murray, P. K.; et al., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 133-150
Trypanosoma brucei in rodents, pathology of immune system, role of mononuclear phagocytic system in immunosuppression, humoral and T cell responsiveness, effect of infection on Nippostrongylus brasiliensis infection, recovery of immune response after trypanocidal therapy, review

Immunological unresponsiveness
Neiman, P. E.; et al., 1977, J. Infect. Dis., v. 136 (6), 754-767
Pneumocystis carinii, organism responsible for transient or fatal interstitial pneumonia in immunosuppressed recipients of allgeneic bone marrow grafts

Immunological unresponsiveness
Ngwenya, B. Z., 1976, Cellular Immunol., v. 24 (1), 116-122
Trichinella spiralis, effect of lactation on cell-mediated immunity, cell transfer studies with lactating and non-lactating mice, lactogenic hormones apparently suppressed expression of adoptive immunity

Immunological unresponsiveness
Ngwenya, B. Z., 1976, J. Parasitol., v. 62 (6), 871-873
Trichinella spiralis, suppression of rejection in mice treated with ovine prolactin

Immunological unresponsiveness
Ngwenya, B. Z., 1977, Internat. J. Parasitol., v. 7 (1), 41-45
Trichinella spiralis, effect of lactation on worm expulsion in (1) lactating, (2) induced agalactic post-parturient, (3) previously sensitized, and (4) mice sensitized during lactation, results indicate lactation suppressed either expression or induction of immunity

Immunological unresponsiveness
Ochs, H. D.; Ament, M. E.; and Davis, S. D., 1972, N. England J. Med., v. 287 (7), 341-342
Giardia lamblia causing malabsorption and damage to mucosa of small intestine in child with infantile X-linked agammaglobulinemia, symptoms relieved with flagyl: Washington

Immunological unresponsiveness
Okumura, K.; Tada, T.; and Ochiai, T., 1974, Immunology, v. 26 (2), 257-268
Ascaris suum, rats, time and dose of antithymocyte serum administration are crucial factors in determining subsequent suppressed or enhanced reaginic antibody responses

Immunological unresponsiveness
O'Loughlin, J. M., 1975, Med. Clin. North Am., v. 59 (2), 495-501
Pneumocystis carinii pneumonia, potentially lethal agent in persons receiving immunotherapy, need for early diagnosis, brief clinical review

Immunological unresponsiveness
Otieno, L. H., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (6), 856-869
Trypanosoma brucei, effect of irradiation or cyclophosphamide on course of infection in heat-stressed mice, reduced pathogenic effects in spite of elevated parasitemia, tempting to suggest that direct effect of temperature on trypanosomes was responsible for lowered pathogenicity, many bizarre morphological forms

Immunological unresponsiveness
Ottesen, E. A.; Weller, P. F.; and Heck, L., 1977, Immunology, v. 33 (3), 413-421
Wuchereria bancrofti, human, antigen-specific cellular immune unresponsiveness, unchanged 2 weeks after diethylcarbamazine treatment, this immunologic deficit may be of fundamental importance in pathogenesis of filarial disease: Mauke, Cook Islands

Immunological unresponsiveness
Owor, R.; and Wamukota, W. M., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 497-499
Strongyloides stercoralis in man, fatal overwhelming strongyloidiasis associated with pyogenic meningitis and presence of larvae in meninges, probably depression of cellular immunity (unknown cause) contributed to fatal infection: Uganda

Immunological unresponsiveness
Page, F. T.; and Reeves, D. S., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 256-259
Strongyloides spp., accelerated auto-infection in patient with terminal carcinomatosis, low-grade infection thought to have existed for 26 years before erupting, unusual symptoms with numerous larvae in sputum and feces and no evidence of adult worms even at autopsy, danger of infection spread through larvae-infected sputum: Bristol, United Kingdom

Immunological unresponsiveness
Panitz, E., 1974, Proc. Helminth. Soc. Washington, v. 41 (2), 257-259
adult Trichinella spiralis, distribution in intestine of Meriones unguiculatus, immunosuppressive effect of betamethasone

Immunological unresponsiveness
Pelley, R. P.; Ruffier, J. J.; and Warren, K. S., 1976, Infect. and Immun., v. 13 (4), 1176-1183
Schistosoma mansoni, mice, suppressive effect of infection at various time periods on in vitro responses of spleen and lymph node cells to T cell mitogens (phytohemagglutin and concanavalin A), findings consistent with existence of suppressor T cells in chronic schistosomiasis, possible role in spontaneous modulation of immunopathology

Immunological unresponsiveness
Pennoit, H.; Lameire, N.; and de Tollenaere, G., 1970, Nederl. Tijdschr. Geneesk., v. 114 (31), 1288-1291
acute toxoplasmosis in woman undergoing corticosteroid treatment for sarcoidosis of the lung, suppression after second course of treatment with sulfadimethoxine, spiramycine, and pyrimethamine; recommendation that patients treated with corticosteroids be subjected regularly to serological tests for toxoplasmosis

Immunological unresponsiveness
Phillips, R. S.; and Wakelin, D., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 276 [Demonstration]
Trichuris muris-infected mice, suppression of immunity by concurrent infection with Babesia spp., severely depressed agglutinating antibody response to sheep red blood cells

Immunological unresponsiveness
Phillips, R. S.; and Wakelin, D., 1976, Exper. Parasitol., v. 39 (1), 95-100
mice concurrently infected with Babesia and Trichuris muris, marked immunodepression, normal immune expulsion of nematode delayed; Babesia infections had little effect on expulsion of challenge infections of T. muris from previously immunized mice; Babesia infections exerted profound immunodepressive effect on agglutinating antibody response to sheep red blood cells

Immunological unresponsiveness
Phillips, S. M.; et al., 1977, J. Immunol., v. 118 (2), 594-599
Schistosoma mansoni in congenitally athymic (nude) mice, thymic dependency of eosinophilia, granuloma formation, and host morbidity

Immunological unresponsiveness
Poels, L. G.; and van Niekerk, C. C., 1977, Exper. Parasitol., v. 42 (1), 235-247
Plasmodium berghei-infected mice, depression of immune responsiveness to sheep erythrocytes, tolerance induced during period of severe immunosuppression, responsiveness restored with chloroquine cure, elevated levels of nonspecific antibodies produced during immunosuppression, possible relationship between hyperimmunoglobulinemia and immunosuppression

Immunological unresponsiveness
Poirot, J. L.; et al., 1976, Ann. Parasitol., v. 51 (4), 447-452
Trichinella spiralis, mice, effect of cyclophosphamide treatment on parasite sex ratio and survival, transplantation of 18-day old worms from treated vs. untreated into treated vs. untreated mice

Immunological unresponsiveness
Portaro, J. K.; Britton, S.; and Ash, L. R., 1976, Exper. Parasitol., v. 40 (3), 438-446
Brugia pahangi in Meriones unguiculatus, depressed reactivity of splenocytes to mitogens phytohemagglutinin and concanavalin A, data suggest this depression is cell-mediated

Immunological unresponsiveness
Powles, A. C. P., 1973, N. Zealand Med. J. (490), v. 77, 169-171
Strongyloides stercoralis hyperinfection in previously healthy young man being treated with steroids to suppress brain edema caused by head injury, fatal illness, case report, thiabendazole therapy unsuccessful: New Zealand

Immunological unresponsiveness
Purvis, A., 1976, Parasitology, v. 73 (2), ix [Abstract]
Babesia microti, producing immunodepression in mice

Immunological unresponsiveness
Purvis, A. C., 1977, Parasitology, v. 75 (2), 197-205
Babesia microti, mice, temporary immunodepression of humoral immune response to sheep red blood cells, cell-mediated responses apparently unaffected, phagocytic activity is increased

Immunological unresponsiveness
Raizman, R. E., 1976, Am. J. Digest. Dis., n.s., v. 21 (12), 1070-1074
human Giardia lamblia, extensive review of current concepts of diagnosis, clinical management and treatment, association with immunodeficiency

Immunological unresponsiveness
Rank, R. G.; and Weidanz, W. P., 1976, Proc. Soc. Exper. Biol. and Med., v. 151 (2), 257-259
Plasmodium gallinaceum, fatal fulminating parasitemias in agammaglobulinemic chickens, B-cell deficient chickens rescued from primary infection by chloroquine therapy resisted challenge infection, data suggest that premunition to malaria in chickens is B-cell independent

Immunological unresponsiveness
Repsher, L. H.; et al., 1976, National Cancer Inst. Monograph (43), 127-132
Pneumocystis carinii, diagnosis in immunocompromised host by transbronchial lung biopsy via the fiberoptic bronchoscope, procedure offers diagnostic accuracy

Immunological unresponsiveness
Repsher, L. H.; Schroeter, G.; and Hammond, W. S., 1972, N. England J. Med., v. 287 (7), 340-341
Pneumocystis carinii pneumonitis in humans with iatrogenic immune deficiency states, diagnosis by endobronchial brush biopsy

Immunological unresponsiveness
Rifkind, D., 1976, National Cancer Inst. Monograph (43), 49-54
Pneumocystis carinii pneumonia in renal transplant patients on immunosuppressive therapy, clinical management with isolation procedures to prevent transmission, differential diagnosis, pentamidine isethionate

Immunological unresponsiveness
Rivero, I.; et al., 1975, Medicina, Buenos Aires, v. 35 (1), 73-78
Trypanosoma cruzi as complication in 4 cases of human acute leukemia and acute lymphoblastic leukemia probably resulting from immunosuppression

Immunological unresponsiveness
Roberts, D. W.; et al., 1977, Infect. and Immun., v. 16 (3), 821-826
Plasmodium berghei yoelii produced fatal infection in nude mice or in mice made B cell deficient by treatment with anti-μ-chain serum, malaria recrudesced in Nu/Nu mice after drug termination of acute disease, recrudescence prevented by thymic grafting or treatment with hyperimmune serum, data suggest that crucial role of thymus is to provide helper function in production of protective antibody

Immunological unresponsiveness
Rodgers, B. M.; and Talbert, J. L., 1977, Am. Rev. Resp. Dis., v. 115 (4, pt. 2), 157 [Abstract]
Pneumocystis carinii in children receiving immunosuppressive therapy, safe and accurate diagnosis using thoracoscopy

Immunological unresponsiveness
Rottembourg, J.; et al., 1977, Nouv. Presse Med., v. 6 (10), 819-823
Pneumocystis carinii pneumonia in immunocompromised patient after cardiac transplantation, diagnosis by pulmonary biopsy, treatment with pentamidine, fansidar: France

Immunological unresponsiveness
Ruitenberg, E. J.: et al., 1977, Immunology, v. 33 (4), 581-587
Trichinella spiralis, comparison of infection in congenitally athymic (nude) mice and their heterozygous thymus-bearing littermates: expulsion of adult worms; yield of muscle larvae; production of specific antibodies; number of pyroninophilic cells, intra-epithelial lymphocytes, and eosinophils in small intestine; blood eosinophilia; data support thymus dependence of worm expulsion, plasma cell and antibody production, and tissue and blood eosinophilia

Immunological unresponsiveness
Ruitenberg, E. J.; Leenstra, F.; and Elgersma, A., 1977, Brit. J. Exper. Path., v. 58 (3), 311-314
Trichinella spiralis, athymic mice, intestinal pathology; immunological reaction dependent upon host immune status, nonspecific histopathological changes thymus-independent

Immunological unresponsiveness
Sanyal, S. K.; Avery, T. L.; and Harris, K. S., 1977, Am. Rev. Resp. Dis., v. 115 (4, pt. 2), 291 [Abstract]
Pneumocystis carinii pneumocystitis in immunosuppressed children, sequential changes in acid-base and blood-gas profiles, abnormalities may persist into convalescence

Immunological unresponsiveness
Scoggin, C. H.; and Call, N. B., 1977, Ann. Inst. Med., v. 87 (4), 456-458
disseminated Strongyloides stercoralis, infection in man who had undergone renal transplant, fatal illness unsuccessfully treated with thiabendazole, clinical case report: North Carolina

Immunological unresponsiveness
Scott, J. M.; et al., 1977, Trop. Animal Health and Prod., v. 9 (3), 159-165
Trypanosoma congolense, cattle (exper.), some immunosuppression after vaccination with foot-and-mouth disease vaccine and clostridial vaccine, but protection against these diseases not impeded

Immunological unresponsiveness
Sharma, S. C.; and Ramachandran, M., 1976, Indian J. Exper. Biol., v. 14 (2), 188-189
Litomosoides carinii-infected albino rats, significantly lower agglutinin titers to sheep erythrocytes

Immunological unresponsiveness
Sizoo, W.; and Wolvius, G. G., 1976, Nederl. Tijdschr. Geneesk., v. 120 (10), 418-424
Pneumocystis carinii pneumonia in persons being treated with cytostatic agents because of malignant disease, clinical aspects, case reviews: Netherlands

Immunological unresponsiveness
Sless, F.; et al., 1975, J. Protozool., v. 22 (3), 56A-57A [Abstract]
Trypanosoma brucei, mice treated with cyclophosphamide 2 days after infection developed high non-relapsing parasitaemia, mice treated 3 days before infection developed significantly lower parasitaemia than controls apparently due to increase in delayed hypersensitivity

Immunological unresponsiveness
Soifer, F. K., 1976, Vet. Med. and Small Animal Clin., v. 71 (4), 484, 486
Dirofilaria immitis, cat, also positive for feline leukemia virus, possible depression of immune response mechanism: Houston area, Texas

Immunological unresponsiveness
Soothill, J. F.; Smith, M. D.; and Morgan, A. G., 1975, Symposia Brit. Soc. Parasitol., v. 13, 59-68
association of parasites with nephrotic syndrome, genetically and environmentally determined host variation may be the immunodeficiency underlying proneness to chronic soluble complex disease, extensive review with emphasis on Schistosoma spp., Plasmodium malariae, and some preliminary experiments with Trypanosoma brucei in mice

Immunological unresponsiveness
Srivastava, P. S.; and Sharma, N. N., 1975, Indian J. Animal Research, v. 9 (1), 8-10
Theileria annulata premune calves, oral administration of prednisolone, immunosuppressive effect, clinical relapses; need for caution in use of corticosteroids in enzootic areas; relapse induction useful for detection of carriers

Immunological unresponsiveness
Stadtsbaeder, S.; and Nguyen, B. T., 1977, Ann. Immunol., v. 128C (1-2), 149-150
Toxoplasma gondii, susceptibility of nude mice to infection was same as controls, vaccination of nude mice conferred incomplete immunity

Immunological unresponsiveness
Stahl, W.; et al., 1976, Exper. Parasitol., v. 39 (1), 135-142
Toxoplasma gondii, disease patterns in methotrexate-treated mice, examination of several time- and dose-dependent drug regimes, immunosuppressive effect when administered early in infection, potential use as experimental model for clinical toxoplasmosis

Immunological unresponsiveness
Starzl, T.; et al., 1973, N. England J. Med., v. 289 (2), 82-84
Pneumocystis carinii, interstitial plasma cell pneumonia contributing factor in death of child who had undergone liver transplant 3 years previously and who was subsequently treated with immunosuppressive drugs: Denver

Immunological unresponsiveness
Stewart, S. J.; et al., 1976, Exper. Parasitol., v. 40 (3), 373-379
Polyplax serrata, mice, effects of limb disability and consequent inability to groom on lousiness: failure to induce immune tolerance after neonatal exposure

Immunological unresponsiveness
Stockdale, P. H. G.; and Niilo, L., 1976, Canad. Vet. J., v. 17 (2), 35-37
Eimeria zuernii, production of bovine coccidiosis, treatment with dexamethasone enhances reproduction by parasite, produces acute disease rather than mild infection, possibly lowers host resistance

Immunological unresponsiveness
Strickland, G. T.; and Sayles, P. C., 1977, Infect. and Immun., v. 15 (1), 184-190
Toxoplasma gondii, mice, depressed antibody responses to thymus-dependent antigen (sheep erythrocytes), results show that immunodepression associated with Toxoplasma infection is complicated and they provide no definitive explanation for the mechanism

Immunological unresponsiveness
Sutton, R. J., 1976, Research Vet. Sc., v. 21 (3), 354-355
Taenia ovis, sheep, corticosteroids increasing number of cysticerci, possible method of obtaining sufficient viable cysticerci for research

Immunological unresponsiveness
Szeri, I.; and Csoka, R., 1976, Acta Microbiol. Acad. Scient. Hungar., v. 23 (3), 235-237
Toxoplasma gondii, acute infections in mice (exper.), spleen, thymus and lymphocyte changes

Immunological unresponsiveness
Tabel, H.; Losos, G. J.; and Maxie, M. G., 1977, Canad. Fed. Biol. Soc., Programme and Proc. 20. Ann. Meet., v. 20, 118 [Abstract]
Trypanosoma vivax, T. congolense, cattle, determination of hemolytic complement activity and complement component C3 levels; impairment of complement system perhaps related to immunosuppression and susceptibility to secondary infection

Immunological unresponsiveness
Tanabe, K.; et al., 1977, Exper. Parasitol., v. 43 (1), 143-152
Plasmodium berghei, mice, suppressed response of antibody-forming cells

Immunological unresponsiveness
Tanaka, H.; et al., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (1), 19-26
Litomosoides carinii in Sigmodon hispidus (exper.), suppression of microfilaricidal activity of diethylcarbamazine by antilymphocyte and anti-thymocyte serum establishes role of lymphocytes in mechanism of drug action

Immunological unresponsiveness
Tarzaali, A.; Viens, P.; and Quevillon, M., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 520-524
Plasmodium yoelii-infected mice, depressed capacity to build up immune response to diphtheria vaccine and tetanus toxin, immunodepression overcome by Freund's adjuvant or pertussis bacilli, results suggest that diphtheria and tetanus vaccine should be given in association with pertussis vaccine in malaria endemic areas

Immunological unresponsiveness
Terry, R. J.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 263 [Abstract]
trypanosomiasis, hypothesis to explain paradox of heightened IgM production and immunosuppression

Immunological unresponsiveness
Theologides, A.; and Lee, J. C., 1970, Minnesota Med., v. 53 (6), 615-619
concomitant systemic Toxoplasma gondii, Pneumocystis carinii pneumonitis and cytomegalic inclusion disease in woman undergoing steroid therapy for chronic leukemia, case report: Minnesota

Immunological unresponsiveness
Theologides, A.; Pflueger, O. H., jr.; and Kennedy, B. J., 1969, Minnesota Med., v. 52 (5), 737-741
Pneumocystis carinii pneumonitis and Toxoplasma gondii of brain and myocardium in man being treated with steroids for chronic leukemia, case report: Minnesota

Immunological unresponsiveness
de la Torre Rendon, F. E.; and Gorraez de la Torre, M. T., 1974, Patologia, v. 12 (1), 15-39
Toxoplasma gondii encephalitis with central nervous system lymphomatous infiltrates in young girl being treated with immunosuppressive drugs for Hodgkin's disease, diagnosis at postmortem examination, case report, extensive bibliography: Mexico

Immunological unresponsiveness
Toshkov, A.; et al., 1977, Dokl. Bolgar. Akad. Nauk, v. 30 (6), 895-896
Trichinella spiralis-infected rats followed by infection with Erysipelothrix rhusiopathiae, effect of ACTH on defence mechanisms is counteracted by T. spiralis (inhibition of non-specific protective factors)

Immunological unresponsiveness
Urquhart, G. M.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 528-535
Trypanosoma brucei-infected rats, failure of humoral and immediate-type responses to superimposed Nippostrongylus brasiliensis infection; T. brucei-infected mice, cell-mediated immunity as measured by oxazolone sensitization still occurred to significant extent although less than in uninfected mice

Immunological unresponsiveness
Vallat, M.; et al., 1976, Nouv. Presse Med., v. 5 (38), 2543-2544 [Letter]
Toxoplasma gondii, 2 case reports of acquired toxoplasmosis with ocular symptoms in women suffering from Hodgkin's disease, implications for defective immunologic responses: France

Immunological unresponsiveness
Veress, B.; et al., 1977, Immunology, v. 33 (5), 605-610
human visceral leishmaniasis, 20 fatal cases, histological appearances of spleen and lymph nodes were suggestive of profound disturbance in cell-mediated immunity, depletion of small lymphocytes in thymus-dependent areas accompanied by abundance of parasite-containing histiocytes and hyperplasia of plasma cells

Immunological unresponsiveness
Verster, A., 1971, Onderstepoort J. Vet. Research, v. 38 (1), 63-64
Taenia solium in Mesocricetus auratus (exper.), worms developed to maturity after suppression of host immune system with methyl prednisolone acetate, addition of chopped beef to diet had little effect on host susceptibility; similarly treated hamsters were less susceptible to T. saginata

Immunological unresponsiveness
Vilches, A. M.; et al., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (3), 279-284
Trypanosoma cruzi, mice, effect of heterologous anti-thymocyte serum upon course of infection, shorter survival time and higher parasitemia, no change in agglutination antibody titers, impaired resistance probably in detrimental effect of ATS upon cell-mediated immunity

Immunological unresponsiveness
Vilde, J.-L., 1976, Path. Biol., v. 24 (2), 133-139
human parasitic diseases in patients receiving immunosuppressive therapy, pathophysiology, decrease in cellular immunity as factor, brief review

Immunological unresponsiveness
Voller, A., 1975, Symposia Brit. Soc. Parasitol., v. 13, 69-84
immunopathology of malaria, extensive review: immunosuppression and auto-immunity; tropical splenomegaly syndrome; nephrotic syndrome

Immunological unresponsiveness
Wagner, G. G.; et al., 1975, Research Vet. Sc., v. 19 (2), 209-211
Theileria parva, diminished antibody response to rinderpest vaccination in cattle undergoing severe East Coast fever reactions

Immunological unresponsiveness
Wakelin, D.; and Selby, G. R., 1974, Immunology, v. 26 (1), 1-10
Trichuris muris, mice, induction of immunological tolerance by treatment with cortisone

Immunological unresponsiveness
Wakelin, D.; and Selby, G. R., 1976, Parasitology, v. 72 (1), 41-50
Trichuris muris, immune expulsion from resistant mice, suppression by irradiation, attempts to restore by transfer of mesenteric lymph node cells, bone marrow, or immune serum, results confirm involvement of both antibody-mediated and lymphoid cell-mediated phases in immune expulsion

Immunological unresponsiveness
Wakelin, D.; and Wilson, M. M., 1977, Parasitology, v. 74 (3), 225-234
Trichinella spiralis, mice, inhibition of worm expulsion by host irradiation, attempts at reconstitution of immune response gave evidence for involvement of bone marrow-derived cell population in immune expulsion

Immunological unresponsiveness
Walzer, P. D.; et al., 1976, National Cancer Inst. Monograph (43), 55-63
Pneumocystis carinii pneumonia, analysis of 194 confirmed cases in United States over 3-year period, diagnosis by biopsy or needle aspiration of lung, pentamidine therapy effective but frequently caused impaired renal function when given in conjunction with nephrotoxic agents, occurrence almost exclusively in immunosuppressed host with serious underlying disease

Immunological unresponsiveness
Walzer, P. D.; et al., 1976, National Cancer Inst. Monograph (43), 65-74
Pneumocystis carinii, survey of 51 cases over 3-year period in children under 5 years of age, association with primary immune deficiency diseases in 25 cases, striking occurrence in families, defects in both humoral and cellular immunity appear to be operative

Immunological unresponsiveness
Walzer, P. D.; et al., 1977, Science (4229), v. 197, 177-179
Pneumocystis carinii in congenitally athymic (nude) mice as a new experimental model, experimental infection with both human- and rat-derived parasites produced both by intrapulmonary injection of lung homogenate containing parasites and by environmental transmission

Immunological unresponsiveness
Warren, H. S.; and Weidanz, W. P., 1976, European J. Immunol., v. 6 (11), 816-819
in vitro response of spleen cells from Plasmodium yoelii-infected mice to horse erythrocytes is depressed, concluded that a splenic adherent cell (probably the macrophage) is functionally defective as an accessory cell

Immunological unresponsiveness
Warren, K. S.; et al., 1974, J. Immunol., v. 112 (3), 996-1007
Schistosoma mansoni, mice, cholera toxin profoundly suppressed cell-mediated immunologic reactivity (dermal footpad swelling to soluble egg antigens, granuloma formation around eggs, production of macrophage migration inhibition factor) and ameliorated portal hypertension and esophageal varices in hepatosplenic schistosomiasis

Immunological unresponsiveness
Watanabe, N.; et al., 1977, J. Immunol., v. 118 (2), 485-488
Nippostrongylus brasiliensis, suppression of IgE antibody production in SJL mice, expression of Ly-1 antigen on helper and nonspecific suppressor T cells

Immunological unresponsiveness
Watanabe, N.; Kojima, S.; and Ovary, Z., 1977, J. Immunol., v. 118 (1), 251-255
Nippostrongylus brasiliensis, mice, tolerizing effect of DNP-Ficoll on IgE antibody production

Immunological unresponsiveness
Weber, W. R.; Askin, F. B.; and Dehner, L. P., 1977, Am. J. Clin. Path., v. 67 (1), 11-19
Pneumocystis carinii pneumonia in humans, histopathology of typical and atypical features found on lung biopsy, importance of differential diagnosis especially in immunologically compromised patients

Immunological unresponsiveness
Webster, L. T., jr.; et al., 1975, N. England J. Med., v. 292 (22), 1144-1147
Schistosoma haematobium, S. mansoni, niridazole as suppressant of delayed hypersensitivity in schistosome-infected persons, no effect on immediate skin test responses; potential as immunosuppressive agent for other medical conditions

Immunological unresponsiveness
Wedderbun, N.; and Dracott, B. N., 1977, Clin. and Exper. Immunol., v. 28 (1), 130-137
mice with acute and chronic malaria, suppression of immune response to type III pneumococcal polysaccharide

Immunological unresponsiveness
Weidanz, W. P.; and Rank, R. G., 1975, Proc. Soc. Exper. Biol. and Med., v. 148 (3), 725-728
Plasmodium gallinaceum, chickens (exper.), immunosuppressive effects of infection

Immunological unresponsiveness
Wells, R. A.; Diggs, C. L.; and Phillips, S. M., 1977, J. Immunol., v. 118 (2), 472-477
Plasmodium berghei, mice, general immunosuppression induced by cyclophosphamide alone and specific immunosuppression induced by cyclophosphamide in combination with antigen

Immunological unresponsiveness
Whisnant, J. K.; and Buckley, R. H., 1976, National Cancer Inst. Monograph (43), 211-217
Pneumocystis carinii pneumonia, successful pyrimethamine-sulfadiazine therapy in infants with X-linked immunodeficiency with hyper-IgM

Immunological unresponsiveness
Wikel, S. K.; and Allen, J. R., 1976, Immunology, v. 30 (4), 479-484
Dermacentor andersoni, guinea pigs, cyclophosphamide treatment, blockage of acquisition of resistance, partial blockage of expression of resistance, evidence of humoral component to resistance mechanism in addition to previously established cell-mediated component

Immunological unresponsiveness
Wilkins, H. A.; and Brown, J., 1977, Ann. Trop. Med. and Parasitol., v. 71 (1), 59-66
Schistosoma haematobium in heavily infected population, decreased response rate in delayed hypersensitivity reactions with depressed response of lymphocytes to phytohaemagglutinin, increased IgG and IgM and presence of rheumatoid factor; concluded that chronic schistosomiasis can lead to state of partial immunosuppression: The Gambia

Immunological unresponsiveness
Williams, D. M.; Krick, J. A.; and Remington, J. S., 1976, Am. Rev. Resp. Dis., v. 114 (3), 593-627
parasitic pulmonary infections in the compromised host, immunopathologic aspects, clinical manifestations, diagnosis and treatment, review

Immunological unresponsiveness
Wolf, R. E., 1976, J. Parasitol., v. 62 (2), 209-214
Leishmania tropica yotvata, Macaca mulatta as possible simian model of human disease, primary, secondary, and tertiary infection, clinical resistance, cellular- and humoral-immune responses, effects of antilymphocyte globulin therapy, results quantitatively and qualitatively different from those in humans

Immunological unresponsiveness
Wolf, R. E., 1977, Clin. Immunol. and Immunopathol., v. 2 (3), 381-394
Babesia microti, effects of antilymphocyte serum and splenectomy on resistance to infection in hamsters, results suggest that although cellular immunity is major factor in host resistance humoral antibody may modify parasitemia and thus give some protection

Immunological unresponsiveness
Wolff, L. J.; et al., 1977, Pediatrics, Am. Acad. Pediat., v. 60 (1), 41-45
Pneumocystis carinii as cause of interstitial pneumonia in immunocompromised children, diagnosis by open lung biopsy, statistics of clinical cases

Immunological unresponsiveness
Wong, M. M., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (6), 479-490
Dirofilaria immitis in normal and immunosuppressed Macaca spp., histopathology, W.B.C. and eosinophil counts, radiological examination, serological examination by IFA test, recovery of adult worms only in immunosuppressed hosts indicates that host susceptibility rather than parasite infectivity was the factor concerned

Immunological unresponsiveness
Wong, M. M., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 88-93
Dirofilaria repens, healthy and immunosuppressed macaques (exper.), larvae and adult worms recovered in 10 of 13 but microfilaremia seen only in prednisolone-treated animals, host responses (eosinophilia and filarial antibodies)

Immunological unresponsiveness
Wong, M. M.; and Lim, K. C., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 94-98
Dirofilaria tenuis, healthy and immunosuppressed macaques (exper.), larvae and adult worms recovered from 7 of 11 but microfilaremia seen only in a prednisolone-treated animal, host responses (eosinophilia and filarial antibodies)

Immunological unresponsiveness
Wyler, D. J.; and Brown, J., 1977, Clin. and Exper. Immunol., v. 29 (3), 401-407
Plasmodium falciparum, malaria antigen-specific T-cell responsiveness not abrogated during infection, need for further work to identify basis of immunosuppression in malarial infection; possibility of acquiring sensitized T cells without experiencing clinically apparent infections

Immunological unresponsiveness
Young, L. S.; and Lau, W. K., 1977, N. England J. Med., v. 296 (1), 48 [Letter]
Pneumocystis carinii pneumonia in immunologically compromised patients, recommendations and suggestions for co-trimoxazole therapy

Immunological unresponsiveness
Zuckerman, A., 1977, Exper. Parasitol., v. 42 (2), 374-446
Plasmodium, immunology, extensive review: immunodiagnosis and seroepidemiology; immunopathology; antigenic analysis; host responses; immunoglobulins; cell-mediated reactions

Immunopathology
Annable, C. R.; and Ward, P. A., 1974, J. Immunol., v. 112 (1), 1-8
Babesia rodhaini, rats, presence of proliferative glomerulitis, this renal complication is associated with glomerular deposits of IgG and third component of complement in pattern diagnostic for soluble immune complex-induced nephritis

Immunopathology
Assoku, R. K. G., 1977, Canad. Fed. Biol. Soc., Programme and Proc. 20. Ann. Meet., v. 20, 118 [Abstract]
soluble Trypanosoma evansi antigen produced haemolytic anemia, rats, immunologically-mediated mechanism may be responsible for development of anemia

Immunopathology
Barsoum, R. S.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 387-391
human hepatosplenic schistosomiasis with renal involvement and associated renal salmonellosis, possible relationships in pathogenesis of renal lesions

Immunopathology
Belehu, A.; and Turk, J. L., 1976, Infect. and Immun., v. 13 (4), 1235-1241
Leishmani enriettii, establishment of self-healing type of cutaneous leishmaniasis in hamsters, course of infection, immunopathological response, useful model

Immunopathology
Boonpucknavig, S.; et al., 1976, J. Nat. Research Council Thailand, v. 8 (1), 51-66
Plasmodium berghei, mice, immune complex nephritis, clinical, histopathological and immunofluorescent studies

Immunopathology
Boonpucknavig, S.; et al., 1976, J. Trop. Med. and Hyg., v. 79 (6), 116-119
serum soluble malaria antigen probably responsible for soluble immune complex causing glomerulonephritis in Plasmodium berghei berghei-infected mice

Immunopathology
Boreham, P. F. L.; and Wright, I. G., 1976, Brit. J. Pharmacol., v. 58 (1), 137-139
hypotension in rabbits infected with Trypanosoma brucei probably result of immune complex formation of trypanosomes with antibody

Immunopathology
Boreham, P. F. L.; and Wright, I. G., 1976, Parasitology, v. 73 (2), xxxi [Abstract]
Trypanosoma brucei, rabbits, hypotension, possibly caused by trypanosome-antibody complexes and mediated by kallikrein

Immunopathology
Boros, D. L., 1976, Ann. N. York Acad. Sc., v. 278, 36-46
Schistosoma mansoni, granuloma formation etiology, cell-mediated immunity aspects, review

Immunopathology
Boros, D. L.; Pelley, R. P.; and Warren, K. S., 1975, J. Immunol., v. 114 (5), 1437-1441
Schistosoma mansoni, mice, spontaneous modulation of granulomatous hypersensitivity, concomitant rise in circulating antibody levels and fall in spleen cell responsiveness to antigen

Immunopathology
Boros, D. L.; Tomford, R.; and Warren, K. S., 1977, J. Immunol., v. 118 (1), 373-376
Schistosoma mansoni, induction of granulomatous and elicitation of cutaneous sensitivity by partially purified soluble egg antigens

Immunopathology
Boros, D. L.; and Warren, K. S., 1973, Immunology, v. 24 (3), 511-529
Schistosoma mansoni, model for study of granulomatous inflammation employing bentonite particles coated with soluble antigens and injected i.v. into micro-vasculature of sensitized mice

Immunopathology
de Brito, T.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (1), 9-18
light, immunofluorescent and electron microscopic study of pathogenetic mechanism of glomerular lesions found in human leishmaniasis, immune complexes trapped within glomerular capillaries

Immunopathology
Bryceson, A. D. M., 1975, Symposia Brit. Soc. Parasitol., v. 13, 85-100
mechanisms of disease in leishmaniasis, extensive review with some previously unpublished results: host-parasite specificity; prevention or evasion of immune response; role of immune response in production of disease; healing; immunity to reinfection

Immunopathology
Bryceson, A. D. M., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 397-399
Onchocerca volvulus in humans, evidence that host immune response underlies pathogenesis of infection and that variations in responses contribute to geographical differences in disease patterns, review

Immunopathology
Bryceson, A. D. M.; et al., 1976, Clin. and Exper. Immunol., v. 24 (1), 168-176
Onchocerca volvulus, antigenic diversity among worms from one village in Nigeria, consistent differences in worm antigen patterns and antibody response with worms originating from forest vs. savanna zones of United Cameroon Republic, relevance of findings to pathology and prevention of onchocerciasis

Immunopathology
Brzosko, W. J.; et al., 1976, National Cancer Inst. Monograph (43), 163-169
Pneumocystis carinii, infants, immunofluorescence and immunoelectron microscopic study of tissue, antibodies are essential in elimination of P. carinii through their opsonization of the organisms, disintegration of P. carinii conglomerates subsequent to binding of complement to immune complexes preceded their phagocytosis, replication of P. carinii at rate leading to clinical symptoms is due to impaired and delayed synthesis both of specific antibodies and of complement

Immunopathology
Byram, J. E.; and von Lichtenberg, F., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 944-956
Schistosoma mansoni, schistosome egg-induced lesions in nude mice compared with heterozygous controls, nude mice lacked hypersensitivity granulomas and failed to sequester toxic egg products which resulted in zonal hepatocellular damage

Immunopathology
Capron, A.; et al., 1977, European J. Immunol., v. 7 (5), 315-322
Schistosoma mansoni, rats, Ig-E immune complex-mediated macrophage cytotoxicity against schistosomula, new mechanism of macrophage activation could play role in immune effector mechanisms against this parasite

Immunopathology
Chapman, W. E.; and Ward, P. A., 1976, J. Immunol., v. 116 (5), 1284-1288
Babesia rodhaini-infected rats, metabolism of third component of complement and IgG, development of hypocomplementemia and immune complex nephritis

Immunopathology
Clarkson, M. J., 1976, Pathophysiol. Parasit. Infect., 171-182
trypanosomiasis of man and animals, IgM levels, possible role of IgM in pathogenesis, mechanism of increased IgM

Immunopathology
Cohen, J.; et al., 1977, Brit. Med. J. (6071), v. 1, 1258
Schistosoma mansoni in man, severe schistosomal myelopathy with paraplegia, sensory deficit and bladder dysfunction, poor response to niridazole and prednisolone, evidence that spinal cord injury of immunologic nature mediated by response to worm and/or ova antigen: London (resident of Sudan)

Immunopathology
Colley, D. G., 1975, J. Immunol., v. 115 (1), 150-156
Schistosoma mansoni, mice, chronic primary infection, immune responses to soluble egg antigen (lymphocyte blastogenesis, production of lymphokine eosinophil stimulation promoter, haemagglutinating antibody, PGA antibodies, peripheral blood eosinophilia), relationship to anti-egg granulomatous response and pathogenesis of the disease

Immunopathology
Corbeil, L. B.; et al., 1976, Clin. Immunol. and Immunopathol., v. 6 (2), 165-173
canine visceral leishmaniasis with amyloidosis, immunopathological case report, inappropriate increase in humoral response and decrease in cell-mediated immunity: New York State; imported from Greece

Immunopathology
Cossio, P. M.; et al., 1977, Am. J. Path. (418), v. 86 (3), 533-544
Trypanosoma cruzi, immunopathologic and morphologic studies of chagasic cardiopathy, deposits of immunoglobulins found at plasma membrane of working myocardial and endothelial cells, cytologic location of bound gammaglobulin coincident with specificity of circulating antibodies; findings suggest the possibility that lymphocyte-mediated immune response against heart tissue may participate in some of pathogenetic mechanisms of chronic cardiopathy

Immunopathology
Cox, K. O.; Howard, R. J.; and Mitchell, G. F., 1977, Cellular Immunol., v. 32 (1), 223-227
Babesia rodhaini, increased numbers of plaque-forming cells secreting antibodies to modified mouse erythrocytes in spleens of heavily infected BALB/c·nu/+ mice but not in spleens of infected hypothymic BALB/c·nu/nu mice, role of antierythrocyte autoantibodies in pathogenesis controversial

Immunopathology
Dargie, J. D.; et al., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 249-271
Fasciola hepatica, rats, cattle, sheep, active immunization, passive transfer of immunity by cells and serum, pathogenetic mechanisms underlying development of hepatic fibrosis

Immunopathology
Desmonts, G., 1976, Mod. Problems Ophth., v. 16, 228-232
toxoplasmic uveitis in humans, immunopathology studies suggest that ocular toxoplasmosis is generally congenital

Immunopathology
Fox, E. G.; and Schacher, J. F., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 523
Brugia pahangi-infected syngeneic laboratory rat-strains, permits differential studies of cellular response elicited by filarial infection and possible analysis of effect of histocompatibility type on immunopathologic picture of infection in man

Immunopathology
Garcia, E. G., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 282-288
Schistosoma japonicum, humans, pathophysiology, granuloma formation caused by delayed type hypersensitivity reaction to eggs in tissue

Immunopathology
George, C. R. P.; Parbtani, A.; and Cameron, J. S., 1976, J. Path., v. 120 (4), 235-249
Plasmodium berghei yoelii in mouse model, nephropathy and immunologic responses before and after antimalarial, immunosuppressive and anticoagulant therapy

Immunopathology
Ghanem, M. H.; et al., 1975, Egypt. J. Bilharz., v. 2 (2), 271-276
Schistosoma mansoni, measurement of immunoprecipitins to somatic antigens in patients with liver and spleen involvement; possible roles of cercariae, adult worms, and eggs in producing pathology with schistosome ova probably initiating autoimmune reactions

Immunopathology
Goodwin, L. G., 1976, Pathophysiol. Parasit. Infect., 161-170
protozoal infections, role of vasoactive amines and peptides in pathogenesis, review

Immunopathology
Greenwood, B. M.; and Brueton, M. J., 1974, Clin. and Exper. Immunol., v. 18 (2), 267-272
Plasmodium falciparum, children, depression of serum complement, results suggest complement activation occurs predominantly via the classical pathway and may contribute to vascular damage

Immunopathology
Greenwood, B. M.; and Whittle, H. C., 1976, Clin. and Exper. Immunol., v. 24 (1), 133-138
Trypanosoma brucei gambiense, humans, evidence that complement activation plays a role in pathogenesis of Gambian sleeping sickness: low levels of complement components C3, C4, and factor B in sera, high serum IgM levels, possible formation of large molecular weight IgM complexes, increase in serum C3 levels after melarsoprol treatment

Immunopathology
Grimaud, J. A.; Borojevic, R.; and El Badrawy, N., 1977, Experientia, v. 33 (8), 1078-1079
chronic human schistosomiasis, IgG deposits identified in Disse's spaces of liver of patients with advanced Symmers' fibrosis, shows participation of immunological reactions to this pathological alteration

Immunopathology
Healey, M. C.; and Gaafar, S. M., 1977, Vet. Parasitol., v. 3 (2), 107-119
Demodex canis, dogs, immunofluorescent demonstration and quantitation of mast cell-bound IgE, estimation of serum IgE inconclusive, possible role of atopic sensitization in pathogenesis of canine demodectic mange

Immunopathology
Hendrickse, R. G., 1975, Paediat. Indonesiana, v. 15 (3-4), 83-92
Plasmodium malariae in children as cause of immune complex nephritis probably involving an auto-immune process, treatment efforts still unsatisfactory

Immunopathology
Higashi, G. I.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (4), 713-714
Schistosoma mansoni, nephrotic syndrome complicated by chronic salmonellosis, studies suggest active role of Salmonella rather than schistosomiasis as cause of associated pathology

Immunopathology
Hillyer, G. V., 1976, Am. J. Trop. Med. and Hyg., v. 25 (3), 432-436
Schistosoma japonicum, chimpanzees, presence of circulating antigens in serum between 6 and 9 weeks post-exposure with later clearance, these antigens cross-react with antiserum against S. mansoni, persistence of these antigens could result in observed renal damage

Immunopathology
Hirsh, D. C.; et al., 1975, Am. J. Vet. Res., v. 36 (11), 1591-1595
Demodex canis, suppression of in vitro reactivity of peripheral lymphocytes to phytohemagglutinin by serum from dogs with generalized demodicosis, possible role of T-lymphocyte dysfunction in pathogenesis

Immunopathology
Hooshmand-Rad, P., 1976, Research Vet. Sc., v. 20 (3), 324-329
Theileria annulata, intact susceptible calves, premune calves following splenectomy, pathogenesis of anemia, role of erythrocytic forms and schizonts, involvement of autoimmune reaction is proposed

Immunopathology
Hoshino-Shimizu, S.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 492-496
Schistosoma mansoni, human, demonstration of schistosomal antigens in kidney infections, characterization of specific antigens and antibodies localized in kidney, evidence that renal injury is mediated through immune complex disease

Immunopathology
Houba, V., 1976, Pathophysiol Parasit. Infect., 221-232
immunopathological mechanisms in parasitic disease, review (immune complexes; complement; autoimmunity; cell-mediated reactions; immunodepression)

Immunopathology
Houba, V., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 233-239
immunopathology mechanisms in protozoal infections, workshop report: malaria (nephropathies, splenomegaly); African trypanosomiasis

Immunopathology
Houba, V.; et al., 1976, Clin. Immunol. and Immunopathol., v. 6 (1), 1-12
Plasmodium brasilianum, P. malariae, P. falciparum, humans, Aotus monkeys, increased binding of malarial antibodies with sera, faster disappearance of this antibody from circulation, and its increased deposition in renal glomeruli, serum complement levels during progress of infection, important role of P. malariae in pathogenesis of chronic progressive nephropathies occurring in malarial areas

Immunopathology
Houba, V.; Sturrock, R. F.; and Butterworth, A. E., 1977, Clin. and Exper. Immunol., v. 30 (3), 439-449
Schistosoma mansoni, kidney lesions at different stages of disease in Papio anubis infected with different doses of cercariae with special emphasis on identification of antigens involved

Immunopathology
Hsu, C.-K.; et al., 1976, Nature, London (5567), v. 262, 397-399
Schistosoma mansoni, immunopathology in athymic mice vs. normal heterozygous mice, investigations of necessity of T-cell participation in eosinophil response, IgE formation, granuloma formation, and lymphocyte responsiveness

Immunopathology
Hussein, H. S., 1976, Ztschr. Parasitenk., v. 50 (2), 103-108
Babesia hylomysci, mice, ^{59}Fe labelling of hemoglobin demonstrating parasite's preference for mature erythrocytes, direct destruction of erythrocytes as main cause of anemia and autoimmune reaction as probable factor

Immunopathology
Jarvinen, J. A.; and Dalmasso, A. P., 1977, Exper. Parasitol., v. 43 (1), 203-210
Trypanosoma musculi, mice, development of mild anemia, evidence indicating participation of immunological mechanism, erythrocytes had bound immunoglobulins and complement component 3, intravascular hemolysis by complement was not a mechanism of cell destruction

Immunopathology
Jenkins, G. C.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 154 [Abstract]
T[rypanosoma] brucei-infected rabbits, anemia associated with infection due to hemolytic mechanism either of immunologic or microangiopathic nature

Immunopathology
Jones, C. E., 1977, Exper. Parasitol., v. 42 (2), 261-273
Schistosoma japonicum, rabbits, investigation of possible role of immune complexes in renal pathology and hepatic fibrosis: serum cryogelatification and cryoprecipitation phenomena; temporal aspects of anti-DNA response

Immunopathology
Jones, C. E.; et al., 1977, Exper. Parasitol., v. 42 (1), 221-234
Schistosoma japonicum, rabbits, circulating immune complexes, serum C1q and C3, semiquantitative assessment, relationship to renal pathology and hepatic fibrosis

Immunopathology
Kamo, E., 1972, Med. J. Shinshu Univ., v. 17 (2), 37-55
pathogenesis of liver cirrhosis as an autoimmune disease in exper. Schistosoma japonicum-infected rabbits

Immunopathology
Kiselev, V. B., 1975, Med. J. Zambia, v. 9 (5), 125-127
discussion of secondary lesions of human nervous system resulting from infectious and toxic-allergic reactions caused by schistosomiasis, malaria and trypanosomiasis: Zambia

Immunopathology
Kobayashi, A.; Tizard, I. R.; and Woo, P. T. K., 1976, Am. J. Trop. Med. and Hyg., v. 25 (3), 401-406
Trypanosoma congolense, calves, anemia proved to be of immunological origin, antigen-antibody-complement complexes deposited on surface of erythrocytes results in their immune elimination and leads to clinical anemia

Immunopathology
Krettli, A. U.; Nussenzweig, V.; and Nussenzweig, R. S., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 34-41
Plasmodium berghei, mice, level of immune complex release activity from surface of lymphocytes, alternative complement pathway function, C3 levels in serum

Immunopathology
Lawrence, J. A., 1977, J. South African Vet. Ass., v. 48 (2), 77-83
Schistosoma mattheei, cattle (nat. and exper.), chronic hepatic syndrome, considered to be of immunological origin involving a cell-mediated immune response, usually after repeated heavy infestation: Rhodesia

Immunopathology
Leenstra, F.; Elgersma, A.; and Ruitenberg, E. J., 1977, Trop. and Geogr. Med., v. 29 (2), 206 [Abstract]
Trichinella spiralis, Hymenolepis diminuta, infected congenitally athymic mice and their thymus-bearing heterozygous littermates (exper.), immunologic reactions shown to be dependent on immune status of host whereas non-specific histopathologic changes were thymus-independent

Immunopathology
Lewert, R. M., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 289-300
Schistosoma japonicum, humans, hypersensitivity, tolerance and immunopathology, current aspects, speculations

Immunopathology
von Lichtenberg, F., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 79-87
schistosomiasis, human, experimental approaches to subject of immunopathogenesis, workshop report

Immunopathology
Lindsley, H. B.; Kysela, S.; and Steinberg, A. D., 1974, J. Immunol., v. 113 (6), 1921-1927
Trypanosoma rhodesiense, T. gambiense, humans, development of antibodies to nucleic acids, possible pathophysiological relationship to renal disease remains to be determined

Immunopathology
McGhee, R. B., 1976, Exper. Parasitol., v. 39 (1), 88-94
Plasmodium gallinaceum-infected immunoincompetent chicken embryos, changes in blood picture in response to injection of serum from hyperimmunized chickens, results suggest definite role of immunity in anemia accompanying malaria, failure to clarify question of autoimmunity

Immunopathology
Madwar, M. A.; and Voller, A., 1977, Tropenmed. u. Parasitol., v. 28 (1), 57-62
Schistosoma haematobium and S. mansoni in humans, immunoserologic investigations indicate that both antibody and circulating antigen can be detected, relations with immune-complex nephritis and pathology of infections still unclear

Immunopathology
Mahmoud, A. A. F.; Cheever, A. W.; and Warren, K. S., 1975, J. Infect. Dis., v. 131 (6), 634-642
Schistosoma mansoni in mice with streptozotocin-induced diabetes mellitus, no direct effect on parasite but profound effect on host reactivity, alleviation of clinical disease in acute stage probably related to generalized suppression of cellular hypersensitivity, exacerbation in chronic stage related to megalocytosis of hepatocytes

Immunopathology
Mahmoud, A. A. F.; and Woodruff, A. W., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 187-188
Schistosoma mansoni in mice (exper.), glomerular nephritis caused by immune complex deposits which contained complement

Immunopathology
Mansfield, J. M.; and Kreier, J. P., 1972, Infect. and Immun., v. 5 (5), 648-656
Trypanosoma congolense, rabbits (exper.), complement-fixing and precipitating autoantibodies to normal allogeneic and autologous tissues, passive transfer of autoantibody to normal rabbits did not produce observable pathology, cell-mediated autoimmunity was not shown

Immunopathology
Mansfield, J. M.; and Kreier, J. P., 1972, Infect. and Immun., v. 6 (1), 62-67
Trypanosoma congolense, rabbits (exper.), Arthus-type immediate hypersensitivity reactions demonstrated, no cell-mediated hypersensitivity reactions observed, role of immediate-type skin reaction in pathology of infection and possible use in diagnosis

Immunopathology
Mazaud, R.; Pelloux, H.; and Ferrus, R., 1974, Medecine Trop., v. 34 (1), 7-24
Brugia malayi, Fasciola hepatica, humans, cardiovascular complications resulting from cell-mediated immunity

Immunopathology
Miatello, V. R.; Zanetti, N. L.; and Miatello, V. R., hijo, 1974, Medicina, Buenos Aires, v. 34 (5), 532-538
excision of echinococcal pulmonary cyst in young girl resulted in disappearance of concurrent nephrotic syndrome, evidence supports immunological process of immune complexes or autoantibodies as link between two disease processes

Immunopathology
Murray, M.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 276-277 [Abstract]
Trypanosoma brucei, pathology in rats: progressive alteration in immunological apparatus leading to immunosuppressed state to other antigens; anemia; specific organ damage and failure

Immunopathology
Murray, M.; et al., 1974, Research Vet. Sc., v. 16 (1), 77-84
Trypanosoma brucei, 3 aspects of pathology in rats: progressive alteration in immunological apparatus of lymph nodes, spleen, and thymus, increase in activity of mononuclear phagocytic system; haemopoietic system changes, haemolytic anemia; specific organ damage (heart most markedly affected)

Immunopathology
Murray, M.; Lambert, P. H.; and Morrison, W. I., 1975, Medecine et Malad. Infect., v. 5 (12), special no., 638-641
Trypanosoma brucei-infected mice develop proliferative immune complex glomerulonephritis

Immunopathology
Murray, M.; and Rushton, B., 1975, Symposia Brit. Soc. Parasitol., v. 13, 27-41
Fasciola hepatica, cattle, sheep, hepatic fibrosis, types, time of onset, possible mechanisms underlying genesis, factors affecting deposition (possibly immunological mechanism), importance as mechanism of host resistance

Immunopathology
Murray, P. K.; et al., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 133-150
Trypanosoma brucei in rodents, pathology of immune system, role of mononuclear phagocytic system in immunosuppression, humoral and T cell responsiveness, effect of infection on Nippostrongylus brasiliensis infection, recovery of immune response after trypanocidal therapy, review

Immunopathology
Musoke, A. J.; and Barbet, A. F., 1977, Nature, London (5636), v. 270, 438-440
Trypanosoma brucei, direct activation of human complement via classical pathway by isolated variant-specific surface antigen of parasite, possible role in pathogenesis

Immunopathology
Musoke, A. J.; Cox, H. W.; and Williams, J. F., 1977, J. Parasitol., v. 63 (6), 1081-1088
Plasmodium chabaudi, rats, antigens and antibodies found associated with anemia, splenomegaly, and glomerulonephritis, suggested that soluble complexes of parasite antigen and antibody may have been causal in this syndrome

Immunopathology
Natali, P. G.; and Cioli, D., 1976, European J. Immunol., v. 6 (5), 359-364
Schistosoma mansoni-infected mice, immune complex nephritis, incidence of renal involvement correlated with duration and intensity of infection and appeared to be decreased in unisexual infections

Immunopathology
Ngu, J. L.; and Blackett, K., 1976, Trop. and Geogr. Med., v. 28 (2), 111-120
Onchocerc[a] volvulus in humans, immunologic studies attempting to delineate role of humoral and cellular immune responses in the heterogeneity of onchocercal lesions

Immunopathology
Opuni, E. K.; and Muller, R. L., 1975, J. Helminth., v. 49 (2), 121-127
Spirometra theileri, experimental plerocercoid infections of Macaca mulatta and mice, histopathology and immunopathology

Immunopathology
Ottesen, E. A.; Weller, P. F.; and Heck, L., 1977, Immunology, v. 33 (3), 413-421
Wuchereria bancrofti, human, antigen-specific cellular immune unresponsiveness, unchanged 2 weeks after diethylcarbamazine treatment, this immunologic deficit may be of fundamental importance in pathogenesis of filarial disease: Mauke, Cook Islands

Immunopathology
Pelley, R. P.; Ruffier, J. J.; and Warren, K. S., 1976, Infect. and Immun., v. 13 (4), 1176-1183
Schistosoma mansoni, mice, suppressive effect of infection at various time periods on in vitro responses of spleen and lymph node cells to T cell mitogens (phytohemagglutin and concanavalin A), findings consistent with existence of suppressor T cells in chronic schistosomiasis, possible role in spontaneous modulation of immunopathology

Immunopathology
Poels, L. G.; et al., 1977, Exper. Parasitol., v. 43 (1), 255-267
Plasmodium berghei, formation of immune complexes and their role in nephropathies in infected mice in comparison with chloroquine-cured and hyperimmune mice, comparative study on nude mouse model, immune complexes deposited in renal glomeruli of acutely infected and hyperimmune mice but not in glomeruli of infected nude mice, pathological ultrastructural alterations found in glomeruli of first two groups

Immunopathology
dos Santos, R. R.; de Oliveira, J. C. R.; and Rossi, M. A., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (2), 167
human chronic Chagas disease, presence of IgG and IgM antibodies to neurons suggests immunological mechanism involved in qualitative and quantitative alterations of autonomic nervous system

Immunopathology
Slots, J. M. M.; et al., 1977, Exper. Parasitol., v. 43 (1), 211-219
Trypanosoma brucei, Trypanosoma vivax, antigen-antibody complexes as cause of platelet serotonin release in vitro and in vivo

Immunopathology
Soni, J. L.; and Cox, H. W., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 423-430
Plasmodium gallinaceum, chickens, soluble complexes of serum antigen and its antibody may be mediator of acute anemia, serologic identity of serum antigen from malarious chickens and from Babesia rodhaini-infected rats and its distinction from parasite antigen suggest that it might be an autoantigenic macroglobulin

Immunopathology
Soni, J. L.; and Cox, H. W., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 431-438
Plasmodium gallinaceum, chickens, complexes of serum antigen and its antibody may cause glomerulonephritis associated with acute avian malaria

Immunopathology
Soni, J. L.; and Cox, H. W., 1976, Indian J. Med. Research, v. 64 (8), 1177-1184
immune complex associated with malarious nephritis of Plasmodium gallinaceum-infected chicken, isolation and description of antigen component of complex

Immunopathology
Soothill, J. F.; Smith, M. D.; and Morgan, A. G., 1975, Symposia Brit. Soc. Parasitol., v. 13, 59-68
association of parasites with nephrotic syndrome, genetically and environmentally determined host variation may be the immunodeficiency underlying proneness to chronic soluble complex disease, extensive review with emphasis on Schistosoma spp., Plasmodium malariae, and some preliminary experiments with Trypanosoma brucei in mice

Immunopathology
Srichaikul, T.; et al., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 36-38
Plasmodium falciparum, man, blood histamine changes and correlation with severity of complications occurring during infection, possible release of histamine through activation of complement system and immune destruction of platelets

Immunopathology
Stibbs, H. H.; and Seed, J. R., 1976, Exper. Parasitol., v. 39 (1), 1-6
Trypanosoma brucei gambiense, chronically infected Microtus montanus, elevated serum and hepatic tyrosine aminotransferase, high serum levels may result from lysis of parasites (possibly due to agglutination by antibody) containing high levels of enzyme, implications for catecholamine metabolism and consequently for pathologic behavioral syndrome

Immunopathology
Suzuki, N.; et al., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 35-40
Toxoplasma gondii, mice and rats (exper.), blood changes; rats (exper.), antibody titers by dye test and indirect immunofluorescence, erythrocytes showed positive Coombs' reaction suggesting presence of auto-immune acquired hemolytic process

Immunopathology
Szarfman, A.; et al., 1975, Clin. Immunol. and Immunopathol., v. 4 (4), 489-499
T[rypanosoma] cruzi, 6 children with congenital Chagas' disease, presence of circulating EVI and specific anti-T. cruzi antibodies, skeletal muscle biopsies showed immunoglobulin deposits, findings suggest possible pathogenic role of EVI antibody in lesions

Immunopathology
de la Vega, M. T.; Damilano, G.; and Diez, C., 1976, J. Parasitol., v. 62 (1), 129-130
chronic Trypanosoma cruzi-infected humans, positive leukocyte migration inhibition test with heart antigens, results suggest cell-mediated immune response against heart tissue could participate in mechanism of myocardial damage in Chagas' disease

Immunopathology
Voller, A., 1975, Symposia Brit. Soc. Parasitol., v. 13, 69-84
immunopathology of malaria, extensive review: immunosuppression and auto-immunity; tropical splenomegaly syndrome; nephrotic syndrome

Immunopathology
Warren, K. S., 1976, J. Invest. Dermat., v. 67 (3), 464-469
schistosomiasis, multiplicity of immunopathology, review

Immunopathology
Warren, K. S., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 113-119
schistosomiasis, immunopathogenesis, modulation of granulomatous inflammation and amelioration of disease, mechanisms, workshop report

Immunopathology
Warren, K. S.; et al., 1974, J. Immunol., v. 112 (3), 996-1007
Schistosoma mansoni, mice, cholera toxin profoundly suppressed cell-mediated immunologic reactivity (dermal footpad swelling to soluble egg antigens, granuloma formation around eggs, production of macrophage migration inhibition factor) and ameliorated portal hypertension and esophageal varices in hepatosplenic schistosomiasis

Immunopathology
Warren, K. S.; Pelley, R. P.; and Mahmoud, A. A. F., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 957-962
Schistosoma mansoni, mice, effects of curative treatment on resistance to reinfection and on granulomatous hypersensitivity following reinfection, results suggest that both immunity and modulation of immunopathology are residual after curative treatment

Immunopathology
Weisbroth, S. H.; Friedman, S.; and Scher, S., 1976, Lab. Animal Sc., v. 26 (5), 725-735
Myobia musculi-infested Mus musculus in breeding colony, histopathology of skin lesions probably allergic in character, exacerbation of lesions following reinfection of sensitized mice, treatment with dichlorvos-impregnated plastic strips abolished lesions and improved breeding performance

Immunopathology
Weise, M.; and Voller, A., 1975, Tropenmed. und Parasitol., v. 26 (4), 390-394
Plasmodium brasilianum, proteinuria and other pathologic changes in urinary tract of Aotus trivirgatus (exper.), possible use of Aotus-P. brasilianum system to study renal immunopathology of human malaria

Immunopathology
Weise, R.; et al., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (3), 271-278
Plasmodium berghei yoelii, mice, ultrastructure of kidneys, glomerular changes at different stages of disease, findings add to evidence in favour of transient immune complex glomerulonephritis

Immunopathology
Williams, D. M.; Krick, J. A.; and Remington, J. S., 1976, Am. Rev. Resp. Dis., v. 114 (3), 593-627
parasitic pulmonary infections in the compromised host, immunopathologic aspects, clinical manifestations, diagnosis and treatment, review

Immunopathology
Woodruff, A. W., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 313-328
mechanisms involved in anemia associated with infection (schistosomiasis, kala-azar, malaria, trypanosomiasis) and splenomegaly in tropics, complement activation leading to hemolysis and splenomegaly due to erythrophagocytosis, review

Immunopathology
Woodruff, A. W.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 329-337
Trypanosom[a] rhodesiense, human, mechanism of anemia, complement coating of erythrocytes and subsequent haemolysis, splenic enlargement due to erythrophagocytosis within spleen

Immunopathology
Zuckerman, A., 1977, Exper. Parasitol., v. 42 (2), 374-446
Plasmodium, immunology, extensive review: immunodiagnosis and seroepidemiology; immunopathology; antigenic analysis; host responses; immunoglobulins; cell-mediated reactions

Immunosuppression. See Immunological unresponsiveness.

Immunotolerance. See Immunological unresponsiveness.

Implantation. See Transplantation.

Imported diseases. See Disease transmission, Travel and migration.

Indexes. See Indices.

India
Bhopale, K. K.; Joshi, S. C.; and Kamalapur, S. K., 1971, Indian J. Animal Research, v. 5 (1), 19-23
helminths of Bubalus bubalis calves: Madhya Pradesh
(Fasciola gigantica; Paramphistomum (Cauliorchis) crassum; Cotylophoron cotylophorum; Schistosoma spindalis; Moniezia benedeni; Avitellina lahorea; A. goughi; Ascaris vitulorum; Trichuris discolor; Oesophagostomum radiatum; Syngamus laryngeus; Bunostomum trigonocephalum; B. phlebotomum; Gaigeria pachyscelis; Trichostrongylus colubriformis; Cooperia punctata; Paracooperia nodulosa; Mecistocirrus digitatus; Dictyocaulus viviparus; Thelazia rhodesii; T. gulosa; Setaria labiato-papillosa; Stephanofilaria zaheeri)

India
Gupta, M. C.; et al., 1977, Indian J. Med. Research, v. 66 (2), 244-252
health and nutrition survey of men doing heavy manual labor, mild anemia in group but hookworm and other parasites apparently noncontributory: Dumka region in Bihar and Garhwal, India
(hookworm; roundworm; Entamoeba histolytica H[ymenolepis] nana; Giardia; Trichuris trichiura)

India
Hawking, F., 1974, Progr. Drug Research, v. 18, 173-190
Wuchereria bancrofti, Brugia malayi, review of present status of human infections in India with emphasis on public health issues and possible control measures

India
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gastrointestinal parasites of cattle: Orissa, India
(Paramphistomum cervi; Cotylophoron cotylophorum; Gastrothylax crumenifer; Calicophoron calicophorum; Fischoederius elongatus; Fischoederius cobboldi; Carmyrius spatiosus; Carmyrius gregarius; Gonglonema verrucosum; Haemonchus contortus; Mecistocirrus digitatus; Ostertagia ostertagi; Trichostrongylus axei; T. colubriformis; Nematodirus spathiger; Neoascaris vitulorum; Bunostomum phlebotomum; Strongyloides papillosus; Moniezia expansa; Moniezia benedeni; Avitellina spp.; Trichuris ovis; Trichuris globulosa; Oesophagostomum radiatum)

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parasite incidence, goats: Orissa
(Fasciola gigantica; Paramphistomum cervi; Cotylophoron cotylophorum; Gastrothylax crumenifer; Fischoederius elongatus; F. cobboldi; Carmyerius spatiosus; C. gregarius; Moniezia expansa; M. benedeni; M. denticulata; Stilesia globipunctata; S. vitata; Avitellina centripunctata; A. lahorea; A. sudanea; Cysticercus tenuicollis; Gongylonema verrucosum; G. pulchrum; Haemonchus contortus; Mecistocirrus digitatus; Trichostrongylus colubriformis; Oesophagostomum columbianum; Trichuris ovis; Trichuris globulosa; E. arloingi; E. faurei; E. intricata; E. nina-kohl-yokimovae; E. parva)

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winter populations of helminths and arthropods in puppies: Bhubaneswar
(Toxocara canis; Ancylostoma caninum; Strongyloides stercoralis; Dipylidium caninum; Heterodoxus longitarsus; Rhipicephalus sanguineus; Ctenocephalides felis; Sarcoptes scabiei; Demodex canis)

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fecal survey of infants and young children with and without acute diarrhoeal disease: India
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mites and ticks of poultry in India, life cycle, control measures
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classified list of nematodes from Indian freshwater fishes, review

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helminths, Bos bubalus, seasonal incidence: Bareilly (U.P.) abattoir
(Fasciola gigantica; Gigantocotyle explanatum; Gastrothylax crumenifer; Fischoederius elongatus; Cotylophoron cotylophorum; Ceylonocotyle sp.; Carmyerius spatiosus; Olveria indica; immature amphistomes; Moniezia expansa; Stilesia globipunctata; Echinococcus granulosus; Cysticercus tenuicollis; Haemonchus contortus; Mecistocirrus digitatus; Bunostomum phlebotomum; Cooperia curticei; Neoascaris vitulorum; Trichuris discolor; Setaria labiato-papillosa)

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[Checklist includes 388 bird species and contains both published and unpublished records. For records from specific hosts, see entries in Supplement 22, Part 7, Hosts.]

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classified list of nematodes from Indian freshwater fishes, review

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human malaria in southeast Asia, scientific group meeting with discussion on: epidemiology, clinical features, pathophysiology, genetic factors, immunology, diagnosis, chemotherapy, control measures

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epidemiologic survey in South Sulawesi for human malarias and filariasis conducted 8 and 22 months after arrival of transmigrants from Central Java showed decreased incidence of malaria and increased filariasis, discussion of associated problems and effects on populace: Indonesia

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Schistosoma japonicum, statistical review of prevalence and distribution of human schistosomiasis in Indonesia

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survey of human intestinal and blood parasites and seroepidemiology of amoebiasis: Kalimantan Province
(Entamoeba histolytica; E. hartmanni; E. coli; Endolimax nana; Iodamoeba butschlii; Giardia lamblia; Chilomastix mesnili; Ascaris lumbricoides; Trichuris trichiura; hookworm; Plasmodium vivax; P. falciparum; Strongyloides stercoralis; Capillaria sp.; Echinostoma sp.; Hymenolepis diminuta; Trichomonas hominis; Enterobius vermicularis)

Indonesia, Borneo
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prevalence survey of parasitic infections in humans: West Kalimantan (Borneo), Indonesia
(Plasmodium vivax; P. falciparum; Brugia malayi; Wuchereria bancrofti; Trichuris trichiura; Ascaris lumbricoides; hookworm; Entamoeba coli; E. histolytica; Endolimax nana; Iodamoeba butschlii; Giardia lamblia; Chilomastix mesnili; Strongyloides stercoralis; Entamoeba hartmanni; Trichomonas hominis; Balantidium coli; Enterobius vermicularis; Hymenolepis nana; Echinostoma sp; physalopterid type-eggs; dicrocoeliid type-eggs; heterophyid type-eggs)

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Toxoplasma gondii, man and animals, seroepidemiologic survey, consumption of undercooked goat meat appears to be significant source of infection: South Kalimantan (Borneo), Indonesia

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survey for evidence of human intestinal parasites and malaria in Napu Valley, Sulawesi
(Entamoeba histolytica; E. hartmanni; E. coli; Endolimax nana; Iodamoeba buetschlii; Giardia lamblia; Chilomastix mesnili; Ascaris lumbricoides; Trichuris trichiura; hookworm; Enterobius vermicularis; Schistosoma japonicum; Plasmodium falciparum)

Indonesia, Celebes
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prevalence survey of human intestinal and blood parasites in Bada and Gimpu areas of Central Sulawesi, Indonesia
(Entamoeba histolytica; E. hartmanni; E. coli; Endolimax nana; Iodamoeba buetschlii; Giardia lamblia; Balantidium coli; Ascaris lumbricoides; Trichuris trichiura; hookworm; Enterobius vermicularis; heterophyid sp.; echinostome sp.; fasciolid sp.; Plasmodium falciparum; Brugia malayi)

Indonesia, Celebes
Carney, W. P.; et al., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 165-172
human intestinal and blood parasite prevalence survey: North Lore District, Central Sulawesi, Indonesia
(Entamoeba histolytica; E. coli; Iodamoeba butschlii; Giardia lamblia; Chilomastix mesnili; Ascaris lumbricoides; Trichuris trichiura; hookworm; Schistosoma japonicum; Plasmodium falciparum; Brugia malayi; Entamoeba hartmanni; Trichomonas hominis; Enterobius vermicularis; Strongyloides stercoralis; Physaloptera sp.; Diphyllobothrium sp.; echinostome; heterophyid species)

Indonesia, Celebes
Cross, J. H.; et al., 1972, Southeast Asian J. Trop. Med. and Pub. Health, v. 3 (4), 587-593
prevalence survey for human intestinal and blood parasites: Margolembo, Luwu Regency, South Sulawesi, Indonesia
(Ascaris lumbricoides; Trichuris trichiura; hookworm; Enterobius vermicularis; Hymenolepis diminuta; Entamoeba histolytica; E. hartmanni; E. coli; Endolimax nana; Iodamoeba buetschlii; Giardia lamblia; Chilomastix mesnili; Plasmodium vivax; P. falciparum; P. malariae)

Indonesia, Celebes
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human parasitological survey in the Palu Valley, Central Sulawesi (Celebes) (Schistosoma japonicum; hookworm; Ascaris lumbricoides; Trichuris trichiura; Entamoeba coli; Iodamoeba buetschlii; Entamoeba histolytica; Endolimax nana; Entamoeba hartmanni; Chilomastix mesnili; Enterobius vermicularis; Echinostoma sp.; Trichomonas hominis; Balantidium coli; unknown nematode; unknown trematode eggs; Plasmodium vivax; Plasmodium falciparum; Brugia malayi; Toxoplasma gondii)

Indonesia, Celebes
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prevalence survey for human intestinal parasites: Lake Lindu area, Sulawesi, Indonesia (Schistosoma japonicum; Ascaris lumbricoides; Trichuris trichiura; hookworm; Strongyloides stercoralis; Enterobius vermicularis; Entamoeba histolytica; E. coli; Endolimax nana; Giardia lamblia)

Indonesia, Celebes
Stafford, E. E.; Masri, S.; and Sorensen, K., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (3), 405-410
prevalence survey for human blood and intestinal parasites: Gorontalo, North Sulawesi (Entamoeba histolytica; E. coli; Endolimax nana; Iodamoeba buetschlii; Giardia lamblia; Chilomastix mesnili; Ascaris lumbricoides; Trichuris trichiura; hookworm; Enterobius vermicularis; dicrocoeliid-like ova; Brugia malayi; Plasmodium falciparum)

Indonesia, Java
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prevalence survey for human intestinal parasites and malaria with cursory survey for serological evidence of amoebiasis and toxoplasmosis: Kresek, West Java, Indonesia (Ascaris lumbricoides; Trichuris trichiura; hookworm; Enterobius vermicularis; Strongyloides stercoralis; Entamoeba histolytica; E. hartmanni; E. coli; Endolimax nana; Iodamoeba butschlii; Giardia lamblia; Chilomastix mesnili; Plasmodium falciparum; P. vivax)

Indonesia, Java
Clarke, M. D.; et al., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 195-201
human parasitological survey in Jogjakarta area of Central Java, Indonesia (Entamoeba histolytica; E. hartmanni; E. coli; Endolimax nana; Iodamoeba butschlii; Trichomonas hominis; Giardia lamblia; Chilomastix mesnili; Ascaris lumbricoides; Trichuris trichiura; hookworm; Enterobius vermicularis)

Indonesia, Java
Partono, F.; Purnomo; and Tangkilisan, A., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (2), 258-264
prevalence survey for human intestinal parasitic infections in different age and occupational groups and simultaneous clinical trial for efficacy of mebendazole as therapy for polyparasitism: Jakarta, Indonesia (Strongyloides stercoralis; Hymenolepis nana; Entamoeba coli; Giardia lamblia; Entamoeba histolytica; E. hartmanni; Endolimax nana; Iodamoeba buetschlii; Trichomonas hominis; Trichuris trichiura; Ascaris lumbricoides; Oxyuris vermicularis; hookworm)

Indonesia, Sumatra
Cross, J. H.; et al., 1976, J. Trop. Med. and Hyg., v. 79 (6), 123-131
human parasitologic survey in Northern Sumatra (Plasmodium vivax, P. falciparum, Entamoeba histolytica, E. hartmanni, E. coli, Endolimax nana, Iodamoeba butschlii, Giardia lamblia, Chilomastix mesnili, Ascaris lumbricoides, Trichuris trichiura, hookworm, Enterobius vermicularis, Strongyloides stercoralis, Taenia sp., Echinostoma sp., fasciolid, dicrocoeliid, Toxoplasma gondii, Brugia malayi)

Indonesia, Sumatra
Daili, S.; et al., 1972, Paediat. Indonesiana, v. 12 (2), 87-91
parasitic survey of infants and children admitted to pediatric wards in Padang area, West Sumatra (Ascaris lumbricoides; Trichuris trichiura; Oxyuris vermicularis; Ankylostoma duodenale; Strongyloides stercoralis; Entamoeba histolytica; E. coli; Giardia lamblia; Iodamoeba butschlii)

Indonesia, Sumatra
Stafford, E. E.; and Joesoef, A., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (4), 518-522
prevalence survey for human intestinal and blood parasites in 4 villages in Aceh (Entamoeba histolytica; E. hartmanni; E. coli; Endolimax nana; Iodamoeba buetschlii; Giardia lamblia; Ascaris lumbricoides; Trichuris trichiura; hookworm; Enterobius vermicularis; Brugia malayi)

Infectivity. [See also Pathogenicity]

Infectivity
Ajayi, J. A., 1976, Parasitology, v. 72 (3), 335-343
8 ovine Eimeria spp., effects of temperature and Aureo-S-700 on sporulation, viability, and infectivity of oocysts

Infectivity
Altan, Y.; Heydorn, A. O.; and Janitschke, K., 1977, Berl. u. Munchen. Tierarztl. Wchnschr., v. 90 (22), 433-435
Toxoplasma oocysts, horses (exper.), infectivity limited

Infectivity
Aminzhanov, M., 1975, Uzbek. Biol. Zhurnal (4), 48-50
Echinococcus granulosus, infectivity to dogs, length of infection, sex of parasites

Infectivity
Anderson, R. M.; Whitfield, P. J.; and Mills, C. A., 1977, J. Animal Ecol., v. 46 (2), 555-580
Transversotrema patialense, cercariae and adults, population dynamics under laboratory conditions: survival, effects of aging and density on infectivity, immigration-death experiments (measure of host resistance as factor)

Infectivity
Armstrong, E., 1976, Ztschr. Parasitenk., v. 50 (2), 161-165
Nosema kingi, fecal and transovarial transmission in Drosophila willistoni, infectivity to other hosts

Infectivity
Avila, J. L.; et al., 1976, Biochem. Soc. Tr., v. 4 (4), 680-681 [Abstract]
Trypanosoma cruzi, Leishmania braziliensis, mice, infectivity loss after in vitro exposure to polyenzymic 'PIGO' (peroxidase, iodide, glucose, type-II oxidase and oxygen)

Infectivity
Bajwa, R. S.; and Gill, B. S., 1977, Ann. Recherches Vet., v. 8 (2), 181-186
Eimeria tenella, progeny of irradiated oocysts, sporulation rate, pathogenicity, immunogenicity, reproductive potential, concluded that radiation effects are not transmissible to progeny

Infectivity
Basch, P. F.; and DiConza, J. J., 1977, J. Parasitol., v. 63 (2), 245-249
Schistosoma mansoni, in vitro development compared to in vivo, presence of living Biomphalaria glabrata cells indispensable for proper development, cultured cercariae were water-sensitive, gave no cercarienhullen reaction, appeared to lack surface glycocalyx, and were not infective to mice or hamsters

Infectivity
Becker, W.; and Lutz, W., 1976, Ztschr. Parasitenk., v. 50 (1), 99-101
Schistosoma mansoni cercaria, action of salt solutions of various ion composition on swimming activity

Infectivity
Berry, C. I.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 288-289 [Demonstration]
Schistosoma mattheei, sheep (exper.), reduced infectivity of cercariae after maintenance in a hamster colony apparently resulting in reduction of fecundity of worms

Infectivity
Beveridge, I.; and Rickard, M. D., 1976, Internat. J. Parasitol., v. 6 (1), 55-59
Taenia pisiformis in rabbits (exper.), growth and development of rostellar hooks, hook differentiation and size related to age of cysticerci, ability to resist effects of digestive enzymes in vitro, and ability to infect dogs, variability in hook sizes attributable to external influences suggests caution in use of hook lengths as taxonomic characters

Infectivity
Bishop, J. P.; and Kuttler, K. L., 1974, J. Protozool., v. 21 (5), 758-760
Babesia rodhaini, effect of irradiation on infectivity dependent upon irradiation dose, development of acquired resistance after inoculation of irradiated parasitized blood, mice

Infectivity
Blankespoor, H. D., 1977, Proc. Helminth. Soc. Washington, v. 44 (1), 44-50
Plagiorchis noblei, life cycle studies: egg (infectivity); cercaria (diel periodicity of emergence; seasonal periodicity; temperature effect on longevity and infectivity); metacercaria (infectivity); adults (location in definitive host; longevity; seasonal periodicity)

Infectivity
Bonner, T. P.; and Buratt, M., 1976, Internat. J. Parasitol., v. 6 (4), 289-294
Nippostrongylus brasiliensis, inhibition of development and infectivity by actinomycin-D, supports hypothesis that infection is dependent upon new gene expression, i.e., transcription

Infectivity
Bosworth, W.; Sullivan, J. J.; and Chernin, E., 1976, Am. J. Trop. Med. and Hyg., v. 25 (5), 700-703
Brugia pahangi, B. malayi, jirds (exper.), viability and oral infectivity of third stage larvae kept in water or recovered from dead mosquitoes, rearward migration of Brugia from mosquito hosts, implications for naturally acquired infections

Infectivity
Bray, R. S.; McCrae, A. W. R.; and Smalley, M. E., 1976, Internat. J. Parasitol., v. 6 (5), 399-401
Anopheles gambiae fed on Plasmodium falciparum-infected Gambians once during day or once or twice during night, no overall difference in oocyst numbers in batches of mosquitoes fed during night as compared to daytime, apparent lack of circadian rhythm in infectivity of gametocytes

Infectivity
Brink, L. H.; McLaren, D. J.; and Smithers, S. R., 1977, Parasitology, v. 74 (1), 73-86
Schistosoma mansoni, artificially transformed schistosomula and schistosomula recovered after cercarial penetration of isolated skin, comparison of ultrastructure, development, antigenic nature, viability in vivo and in vitro, infectivity

Infectivity
Brink, L. H.; McLaren, D. J.; and Smithers, S. R., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 293 [Demonstration]
Schistosoma mansoni, antigenicity, ultrastructural morphology, development of surface membranes, growth in vitro and infectivity compared in 3 types of artificially prepared schistosomula

Infectivity
Budilova, M.; and Kulda, J., 1977, J. Protozool., v. 24 (4), 49A [Abstract]
Tritrichomonas foetus, enhancement of virulence (infectivity + mortality) for mice by ferric ammonium citrate, indicates accessibility of iron in form utilizable by parasite as critical factor in infection

Infectivity
Burden, D. J.; and Hammet, N. C., 1976, Vet. Parasitol., v. 2 (3), 307-311
Trichuris suis, comparison of infectivity of ova embryonated by 4 different methods, found that differences in method of culture profoundly affected ability of fully developed eggs to hatch and parasites to become established in pigs, ova of highest infectivity produced after culture in moist vermiculite

Infectivity
Caley, J., 1975, Ztschr. Parasitenk., v. 47 (3), 217-235
Hymenolepis nana, comparison of cysticercoids from Tribolium confusum and mouse villi, electron microscopy; activation and excystation effects of bile salts, other surfactants, pH, succinic and lactic acid

Infectivity
Campbell, W. C.; and Thomson, B. M., 1973, Austral. Vet. J., v. 49 (2), 110-111
ensheathed and exsheathed nematode larvae, survival rates after liquid nitrogen freezing, cryoprotective effect of exsheathment; exsheathed larvae of Trichostrongylus colubriformis proved uninfective even if they had not been frozen

Infectivity
Castro, E. R.; and Canabez, F., 1968, Bol. Chileno Parasitol., v. 23 (1-2), 23-25
Anaplasma marginale, splenectomized and normal bovines, infectivity of whole blood not destroyed by treatment with gamma ray radiation

Infectivity
Castro, E. R.; and Canabez, F., 1968, Bol. Chileno Parasitol., v. 23 (1-2), 30-33
Babesia bigemina in splenectomized and normal bovines, effects of various levels of radiation on infectivity of whole blood

Infectivity
Cawthorn, R. J.; and Anderson, R. C., 1976, Canad. J. Zool., v. 54 (4), 442-448
Physaloptera maxillaris larvae in Acheta pennsylvanicus, effects of temperature, age of host, and previous infection on parasite development; resulting infectivity to Mephitis mephitis

Infectivity
Chaicumpa, V.; Jenkin, C. R.; and Fischer, H., 1977, Austral. J. Exper. Biol. and Med. Sc., v. 55 (5), 561-570
Nematospiroides dubius, effect in vivo of peritoneal exudate cells of immune and normal mice on infectivity of third stage larvae

Infectivity
Chappell, L. H.; and Coles, G. C., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 142 [Letter]
Schistosoma mansoni cercariae, reduction in infectivity due to lowered temperature

Infectivity
Chernin, E.; and Antolics, V. M., 1975, J. Parasitol., v. 61 (3), 560-561
Schistosoma mansoni, proportion of miracidia that fail to penetrate susceptible snails under various experimental conditions, implications for transmission

Infectivity
Christensen, N. O.; Nansen, P.; and Frandsen, F., 1976, J. Parasitol., v. 62 (5), 698-701
Fasciola hepatica miracidia, host-finding capacity for Lymnaea truncatula in relation to environmental temperature

Infectivity
Collins, W. E.; et al., 1976, J. Parasitol., v. 62 (2), 190-194
comparative infectivity of 2 strains of Plasmodium vivax to 4 strains of Anopheles albimanus as well as to A. freeborni and A. maculatus (all exper.)

Infectivity
Coman, B. J.; and Rickard, M. D., 1975, Ztschr. Parasitenk., v. 47 (4), 237-248
Taenia spp., dogs, location in intestine, size, fecundity, egg hatching within intestine; infectivity of T. pisiformis eggs to rabbits (effects of canine intestinal secretions, intestinal passage and storage in feces); repeated T. ovis egg infection of puppies having no effect on subsequent cysticercus infection

Infectivity
Coman, B. J.; and Rickard, M. D., 1977, Internat. J. Parasitol., v.7 (1), 15-20
Taenia pisiformis eggs, ageing process, 4 stages with varying ability to hatch and to infect and develop in rabbits, comparison of in vitro and in vivo estimates of viability, failure of 'senescent' eggs to produce immunity to challenge infection

Infectivity
Cosgrove, W. B.; and Hajduk, S. L., 1975, J. Protozool., v. 22 (3), 26A [Abstract]
Trypanosoma equiperdum, inhibition of membrane transport of glucose by 2-deoxy-D-glucose, loss of motility, morphology, and infectivity, unsuccessful attempt to use in controlling established infections

Infectivity
Cox, A. B.; Duncan S.; and Levy, C. K., 1977, J. Parasitol., v. 63 (5), 927-929
Eimeria falciformis, effects of cobalt irradiation on infectivity and immunogenicity of sporulated oocysts, mice

Infectivity
Crook, J. R.; Fulton, S. E.; and Supanwong, K., 1971, Tr. Roy. Soc. Trop. Med. and Hyg., v. 65 (5), 602-605
Angiostrongylus cantonensis, chlorine or iodine treatment of water used for culinary purposes did not completely attenuate larvae shed into the water by drowned Achatina fulica snail vectors, possible source of human infection: Thailand

Infectivity
Cunningham, I.; and Honigberg, B. M., 1977, Science (4310), v. 197, 1279-1282
Trypanosoma brucei brucei, reacquisition of infectivity for mice in cultures grown in presence of tsetse fly salivary gland explants in medium based on amino acid composition of Glossina hemolymph and containing fetal bovine serum

Infectivity
Dalgliesh, R. J., 1972, Research Vet. Sc., v. 13 (6), 540-545
Babesia bigemina, evaluation of glycerol as a freezing protectant, infectivity of parasitised blood containing glycerol for cattle inoculated intravenously vs. subcutaneously

Infectivity
Dalgliesh, R. J.; and Stewart, N. P., 1977, Austral. Vet. J., v. 53 (9), 429-431
Babesia bovis, failure of vaccine strains to regain infectivity for Boophilus microplus during long-standing infections in cattle, concluded that the number and frequency of blood passages performed with a strain may determine its infectivity for ticks

Infectivity
Dobson, C.; and Owen, M. E., 1977, Internat. J. Parasitol., v. 7 (6), 463-466
Nematospiroides dubius, influence of serial passage on infectivity and immunogenicity in mice

Infectivity
Doran, D. J.; and Augustine, P. C., 1977, J. Protozool., v. 24 (1), 172-176
Eimeria dispersa and E. gallopavonis in primary chicken and turkey kidney cell cultures, infectivity, survival, development

Infectivity
Doran, D. J.; Vetterling, J. M.; and Augustine, P. C., 1974, Proc. Helminth. Soc. Washington, v. 41 (1), 77-80
Eimeria tenella, chickens, in vivo and in vitro comparison of Wisconsin, Weybridge, and Beltsville strains, pathogenicity, oocyst production, infectivity

Infectivity
Dubey, J. P.; Christie, E.; and Pappas, P. W., 1977, J. Infect. Dis., v. 136 (3), 432-435
Toxoplasma gondii from feces of naturally infected cats, pathogenicity and infectivity of 7 strains of oocysts and cysts compared by infecting mice (exper.) orally and intraperitoneally; cross-immunity of all strains, cysts less pathogenic than oocysts

Infectivity
Dubey, J. P.; and Frenkel, J. K., 1976, J. Protozool., v. 23 (4), 537-546
Toxoplasma gondii, course of infection in cats following ingestion of tachyzoites and acutely infected mice, development of populations of tachyzoites into bradyzoites in mice as correlated with biological studies of infectivity for cats and mice, proposed that length of prepatent period in cats is determined by presence or absence of bradyzoites in an ingested specimen

Infectivity
Dubey, J. P.; and Streitel, R. H., 1976, J. Parasitol., v. 62 (4), 548-551
Hammondia hammondi, life cycle and transmission: tachyzoites are noninfectious to cats, infectivity being associated with cysts formed by the 10th day of mouse infection; more cysts found in mouse muscle than in brain, less frequent occurrence in spleen, liver, lungs, lymph nodes; absence of congenital transmission in mice; oocysts noninfectious to chickens

Infectivity
El-Gindy, M. S.; Mousa, A. H.; and Roushdy, M. Z., 1974, Egypt. J. Bilharz., v. 1 (2), 261-277
S[chistosoma] haematobium, humans, treatment trials with ambilhar using two regimens, comparison of effects of therapy on number, viability, and hatchability of ova and on infectivity of hatched miracidia to vector Bulinus snails (exper.)

Infectivity
Farlow, G. E., 1976, Internat. J. Parasitol., v. 6 (6), 513-516
Babesia rodhaini, B. argentina, differences in infectivity when incubated in plasma vs. serum, role of glucose in prolonging viability, relevance of findings to living babesial vaccines in which plasma- and serum-based diluents may be used

Infectivity
Fayer, R., 1975, Proc. Helminth. Soc. Washington, v. 42 (2), 138-140
Sarcocystis-infected beef obtained at slaughter or from retail food stores, effect of refrigeration, cooking, and freezing on infectivity to dogs, "the potential for transmission of Sarcocystis to humans and their pets by fresh beef clearly exists."

Infectivity
Fitch, C. D., 1977, Life Sc., v. 20 (7), 1281-1284
Plasmodium berghei, chloroquine-resistant and -sensitive parasites have identical infective potencies, indicates that chloroquine-resistant parasites select and preferentially infect immature erythrocytes rather than lacking the capability of infecting mature erythrocytes

Infectivity
Foley, D. A.; and Vanderberg, J. P., 1977, Exper. Parasitol., v. 43 (1), 69-81
Plasmodium berghei, successful transmission to rats, mice, and hamsters using liver from sporozoite-infected rats without concomitant blood infections, concluded that infections were due to immature exoerythrocytic schizonts (EES), other life cycle stages rigorously excluded as cause of infectivity, immunity to malaria in sporozoite-immune mice does not extend to EES

Infectivity
Ford, G. E., 1971, Vet. Rec. (4883), v. 89 (26), 692 [Letter]
Trichostrongylus retortaeformis sheathed third-stage larvae, rabbits, infectivity increased for at least 2 to 4 weeks after disposition of larvae-containing feces, indicates maturation requirement

Infectivity
Fregene, A. O.; et al., 1975, J. Parasitol., v. 61 (6), 1070-1073
comparative responses of radioattenuated Trypanosoma brucei and T. congolense in rats: radiation sensitivity with respect to infectivity; immunogenicity

Infectivity
Frenkel, J. K.; Ruiz, A.; and Chinchilla, M., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 439-443
persistence of viable Toxoplasma gondii oocysts in soil up to 18 months in Kansas and 1 year in Costa Rica, experimentally buried infected cat feces; Musca fly, Armadillium sp., earthworms acted as transport hosts with earthworm possibly also vector as food for birds; seasonal distribution, effects of weather on infectivity

Infectivity
Frescura, T.; Polidori, G.A.; and Sarris, C., 1972, Atti Soc. Ital. Sc. Vet., v. 26, 509-512
Toxoplasma gondii, oocysts from cat feces, maintained at room temperature for intervals of up to one year, infective to mice

Infectivity
Gaur, S. N. S.; Dutt, S. C.; and Sokolic, A., 1975, Ceylon Vet. J., v. 23 (3-4), 46-48
Ascaris suum, mice, attenuation of eggs with various doses of gamma-rays, infectivity of developing larvae; preliminary to immunization studies

Infectivity
de Gee, A. L. W.; Ige, K.; and Leeflang, P., 1976, Internat. J. Parasitol., v. 6 (5), 419-421
Trypanosoma vivax, bovine isolates with inherent property for serial maintenance in mice, cyclical transmission by tsetse flies from sheep to sheep and goat to goat without affecting mouse infectivity, mice not suitable for direct fly transmission experiments

Infectivity
Gemmell, M. A., 1977, Exper. Parasitol., v. 41 (2), 314-328
Taenia spp., Echinococcus granulosus, eggs, hatching characteristics, survival, infectivity of embryos, influence of various factors (different worms, different segments of same worm, moisture, temperature, length of storage, washing), epidemiological implications in regulation of tapeworm populations

Infectivity
Ghandour, A. M., 1976, J. Helminth., v. 50 (3), 193-196
Schistosoma mansoni, S. haematobium, cercariae, infectivity in relation to maintenance temperatures, low or high temperatures markedly increased mortality during penetration of host skin, comparison of death of cercariae in skin with adult worm recovery, mice, hamsters

Infectivity
Ghandour, A. M.; and Webbe, G., 1975, J. Helminth., v. 49 (4), 245-250
Schistosoma mansoni cercariae, sublethal concentrations of niclosamide increased mortality during penetration of mammalian host skin and consequently reduced adult worm recovery

Infectivity
Giannini, M. S., 1974, J. Protozool., v. 21 (3), 421-422 [Abstract]
Leishmania donovani, relationship of promastigotes' infectivity for hamsters with frequency of subculture

Infectivity
Giannini, M. S., 1974, J. Protozool., v. 21 (4), 521-527
Leishmania donovani, promastigote-initiated infection in Mesocricetus auratus, infectivity in relation to host age at time of inoculation, growth phase of promastigotes at harvest, and frequency of subculture

Infectivity
Gupta, R. P., 1976, Indian J. Animal Sc., v. 45 (2), 1975, 66-70
Dictyocaulus viviparus, techniques to culture, store and test infectivity of larvae, storage at various temperatures; infectivity declined as storage time progressed

Infectivity
Gutteridge, W. E.; Gaborak, M.; and Cover, B., 1975, J. Protozool., v. 22 (3), 51A-52A [Abstract]
Trypanosoma cruzi intracellular stages isolated from rat muscle tissue are active metabolically but infectivity for mice can be accounted for by small number of epimastigotes and trypomastigotes, presumably amastigotes are not equipped to invade and parasitize host cells

Infectivity
Hanson, W. L.; Chien, J. J.; and Chapman, W. L., jr., 1973, J. Protozool., v. 20 (4), 511
Trypanosoma cruzi, Brazil strain exposed to various quantities of irradiation, ability to produce infections in cell cultures and in mice and to induce resistance in mice

Infectivity
Harmsen, R., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 364-373
Trypanosoma brucei, low survival rate in Glossina pallidipes interpreted as in part result of establishment barrier which is less active in young vs. older flies, peritrophic membrane appears unlikely to be establishment barrier, postulated adjustment period for trypanosomes in flies supported by evidence on temperature sensitivity of parasite enzymes

Infectivity
Hawking, F., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 271 [Abstract]
human plasma resistance test for measurement of resistance of polymorphic trypanosomes to human plasma, differentiation of potentially infective Trypanosoma brucei rhodesiense from non-infective T. b. brucei

Infectivity
Hawking, F., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 504-512
Trypanosoma brucei, T. rhodesiense, T. equiperdum, polymorphic strains, sensitivity to human plasma, composition and detailed analysis of typical strains using α_2-macroglobulin test

Infectivity
Hawking, F., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 513-520
Trypanosoma gambiense, T. rhodesiense, T. brucei, 60 polymorphic strains from East and West Africa, in vivo test of sensitivity or resistance to human plasma, application to infectivity for man

Infectivity
Hawking, F., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 427-430
Trypanosoma rhodesiense (6 clones of stabilate), polymorphic trypanosomes (12 clones of stabilate), tests for resistance to human plasma, indications for fundamental differences of genetic material

Infectivity
Herlich, H., 1974, Proc. Helminth. Soc. Washington, v. 41 (1), 52-54
Ostertagia ostertagi, lambs, no patent infections produced after oral inoculation of infective larvae but larvae did exsheath, enter gastric pits, undergo development to adolescent stage, and produce abomasal lesions; adults and mixture of larvae and adolescents recovered from calves and transferred to lambs orally did produce patent infections; mixture of larvae and adolescents recovered from lambs and transferred orally to lambs and calves did not produce patent infections

Infectivity
Hoff, R. L.; et al., 1977, J. Parasitol., v. 63 (6), 1121-1124
Toxoplasma gondii, forms developed in culture characterized by their oral infectivity for cats and mice and by resulting prepatent periods in cats, investigation of role of antibody in formation of bradyzoites

Infectivity
Holbrook, T. W.; and Stauber, L. A., 1973, J. Protozool., v. 20 (3), 431-436
Leishmania donovani in chick embryos, effect of number of injected amastigotes on course of infection, differential behavior of several geographic strains, failure of promastigote-induced infection, infectivity of embryo-derived parasites for hamsters

Infectivity
Howells, R. E.; and Chiari, C. A., 1975, Ann. Trop. Med. and Parasitol., v. 69 (4), 435-448
Trypanosoma cruzi, 2 strains, investigation of differences between slender and stout trypomastigotes, infectivity of different forms to mice, relationship between inoculum size, length of pre-patent period, and course of parasitemia, influence of whole-body X-irradiation and splenectomy of host on course of infection

Infectivity
James, E. R.; and Taylor, M. G., 1976, J. Helminth., v. 50 (4), 223-233
Schistosoma mansoni, six techniques for transformation of cercariae to schistosomula, comparative efficiency, infectivity of transformed organisms for mice by six different routes of administration, implications for immunization experiments

Infectivity
Keithly, J. S., 1976, J. Protozool., v. 23 (2), 244-245
Leishmania donovani, improved infectivity assay using hamsters confirms greater infectivity of amastigotes vs. promastigotes

Infectivity
Kershaw, W. E.; and Storey, D. M., 1976, Ann. Trop. Med. and Parasitol., v. 70 (3), 303-312
Litomosoides carinii infection in cotton rats, comparison of 5 methods of calculating number of infective larvae transmitted to hosts by Liponyssus bacoti vectors, relationship between transmission intensities and worms recovered, role of heavy infections in vectors

Infectivity
Kliewer, I. O.; et al., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 39-41
Anaplasma marginale, preservation by freezing in liquid nitrogen, length of storage, minimum infective dose

Infectivity
Ko, R. C., 1976, Canad. J. Zool., v. 54 (4), 597-609
Echinocephalus sinensis, seasonal variation in incidence and intensity in Crassostrea gigas, seasonal variation in infectivity to exper. mammal hosts possibly dependent upon ambient temperature, pathology in mammals, implications for possible human infection from eating poorly cooked oysters: Hong Kong

Infectivity
Krettli, A.; Chen, D. H.; and Nussenzweig, R. S., 1973, J. Protozool., v. 20 (5), 662-665
Plasmodium berghei, P. cynomolgi, sporozoites isolated by density-gradient centrifugation, infectivity, ability to induce protective immunity and formation of antisporozoite antibodies, in vitro reactivity in circum-sporozoite precipitation reaction

Infectivity
Lawson, J. R., 1977, Parasitology, v. 75 (2), xi-xii [Abstract]
Schistosoma mansoni cercariae, survival in relation to environmental temperature, activity pattern, infectivity, glycogen content

Infectivity
Leeflang, P.; Buys, J.; and Blotkamp, C., 1976, Internat. J. Parasitol., v. 6 (5), 413-417
Trypanosoma vivax, mouse inoculation for diagnosis of infection in cattle, only early natural infections were capable of infecting mice, serial maintenance in mice did not change pathogenicity for ruminants

Infectivity
Leeflang, P.; Ige, K.; and Olatunde, D. S., 1976, Internat. J. Parasitol., v. 6 (6), 453-456
Trypanosoma vivax, infectivity of cyclically and mechanically transmitted ruminant infections for mice and rats, results emphasize value of blood inoculation of rodents for detecting early infections of T. vivax

Infectivity
Levy, R.; and Miller, T. W., jr., 1977, Environment. Entom., v. 6 (3), 447-448
Romanomermis culicivorax, effect of pesticides and growth regulators used in mosquito control operations on viability and infectivity

Infectivity
Levy, R.; Murphy, L. J., jr.; and Miller, T. W., jr., 1976, Mosquito News, v. 36 (4), 498-501
Reesimermis nielseni, effects of pressure and nozzle impact of simulated aerial spray system of dissemination, no apparent loss of viability, infectivity, or development, tested against field-collected and laboratory-reared Culex pipiens quinquefasciatus larvae

Infectivity
Long, R. A.; Ellis, W. L.; and Taylor, G. R., 1976, Texas J. Sc., v. 27 (1), 163-172
Nematospiroides dubius, response to deep space environment of Apollo 16 manned spaceflight, reduced hatching rate of eggs, unchanged infectivity to mice

Infectivity
McAlister, R. O., 1977, J. Parasitol., v. 63 (3), 455-463
Plasmodium berghei, time-dependent loss of invasive ability of merozoites in vitro

Infectivity
McAlister, R. O.; and Gordon, D. M., 1977, J. Parasitol., v. 63 (3), 448-454
Plasmodium berghei, evaluation of 5 methods for artificial removal of merozoites from infected mouse erythrocytes, free merozoites found to be noninvasive in vitro irrespective of isolation method, infective potential in vivo of these "free" parasite preparations could be accounted for solely on basis of contamination by intact parasitized cells

Infectivity
McGreevy, P. B.; McClelland, G. A. H.; and Lavoipierre, M. M. J., 1974, Ann. Trop. Med. and Parasitol., v. 68 (1), 97-109
Dirofilaria immitis, susceptibility of Aedes aegypti controlled by sex-linked recessive gene which is distinct from those controlling development of Brugia pahangi or D. corynodes, variation in filarial infectivity as well as in mosquito susceptibility

Infectivity
McKenna, P. B., 1973, Research Vet. Sc., v. 14 (3), 312-316
Haemonchus contortus, two morphologically and geographically distinct strains, effect of storage at 5 or 21 C for varying intervals on infectivity and parasitic development of third-stage larvae in sheep, evidence that small proportion of infective larvae may be innately 'inhibition-prone' and that effect of season on host or ageing of infective larvae or both may be contributory to changes in level of inhibition

Infectivity
Maddox, J. V., 1973, Misc. Publication Entom. Soc. Am., v. 9 (2), 99-104
persistence of Microsporida, resistance of spores to environmental conditions, transmission and dispersal, host range and infectivity, effect of temperature on development

Infectivity
Magzoub, M.; and Adam, S. E. I., 1977, Zentralbl. Vet.-Med., Reihe B, v. 24 (1), 53-62
Fasciola gigantica, Schistosoma bovis, zebu cattle (livers, mesenteric vessels), histopathology, mixed infections, metabolic activities, viability of eggs and infectivity to snail intermediate hosts are greater for F. gigantica than for S. bovis: Khartoum abattoir, Sudan

Infectivity
Mathur, S. C., 1976, Indian Vet. J., v. 53 (5), 331-336
parasitaemia and pathogenicity of 3 strains of Trypanosoma evansi maintained at various temperatures (4^{o}C, 28^{o}C, 35^{o}C), mice

Infectivity
Morzaria, S. P.; et al., 1977, Research Vet. Sc., v. 22 (2), 190-193
Babesia major derived from Haemaphysalis punctata nymphs, cryopreservation, subsequent infectivity for cattle

Infectivity
Morzaria, S. P.; Brocklesby, D. W.; and Harradine, D. L., 1977, Research Vet. Sc., v. 23 (2), 261-262
Babesia major, adult female Haemaphysalis punctata could be infected by feeding on infected calves but larvae and nymphs could not, all stages could transmit the parasite to calves, two syringe passages resulted in complete loss of infectivity to ticks

Infectivity
Motomura, I., 1967, Nettai Igaku (Trop. Med.), v. 9 (4), 244-255
Toxoplasma gondii, mice (exper.), infectivity of Beverley cysts and RH proliferative forms, oral and percutaneous inoculations

Infectivity
Mullin, S. W.; and Dondero, T. J., jr., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (1), 91 [Demonstration]
Brugia malayi, infectivity successfully maintained when stored up to 12 hours at 4°C

Infectivity
Neal, R. A., 1977, Ann. Trop. Med. and Parasitol., v. 71 (1), 119-120
Trypanosoma cruzi, influence of stage of infection in guinea pigs on infectivity to Rhodnius prolixus used in xenodiagnosis

Infectivity
Niemi, D. R.; and Macy, R. W., 1974, Proc. Helminth. Soc. Washington, v. 41 (2), 223-229
Apophallus donicus, life cycle, morphology, potentially lethal to small salmon and infective to man through fish consumption

Infectivity
Nwosu, A. B. C., 1977, Bull. Animal Health and Prod. Africa, v. 25 (1), 73-78
Ancylostoma tubaeformae third-stage larvae, changes in lipid content, activity rate, and penetrability with time and at various temperatures, evaluation of infectivity using these parameters

Infectivity
Obiamiwe, B. A., 1977, Ann. Trop. Med. and Parasitol., v. 71 (4), 491-500
Brugia pahangi, relationships between microfilarial density, number of microfilariae ingested by Culex pipiens mosquito vectors and the proportion of mosquitoes infected with larvae

Infectivity
Presidente, P. J. A.; Knapp, S. E.; and Dean, R. E., 1973, J. Wildlife Dis., v. 9 (1), 34-40
Dictyocaulus viviparus, captive Odocoileus hemionus columbianus fawns, treatment with cambendazole vs. levamisole hydrochloride, survival and infectivity of larvae on contaminated pasture

Infectivity
Purnell, R. E.; et al., 1974, J. Comp. Path., v. 84 (4), 533-537
Theileria lawrencei Serengeti strain, comparative infectivity for cattle of stabilates derived from adult vs. nymphal Rhipicephalus appendiculatus

Infectivity
Raether, W.; and Seidenath, H., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (3), 285-295
Trypanosoma rhodesiense, motility and infectivity in various physiologic solutions, results show that motility of trypanosomes in suspension gives no clear indication of actual infectivity, implications for short-term storage

Infectivity
Raether, W.; and Seidenath, H., 1974, Tropenmed. u. Parasitol., v. 25 (1), 28-41
T[rypanosoma] rhodesiense, T[rypanosoma] brucei, influence of different physiological solutions and a blood substitute on motility and infectivity after deep-freezing in liquid nitrogen

Infectivity
Raibaut, A.; Ben Hassine, O. K.; and Prunus, G., [1976], Bull. Soc. Zool. France, v. 100 (4), 1975, 427-437
Ergasilus nanus, Mugil cephalus (gills), infestation dependent upon water temperature and salinity, parasite number increases with host size: lake Ischkeul, Tunisia

Infectivity
Raisanen, S.; and Koivukangas, J., 1976, Norwegian J. Zool., v. 24 (4), 458-459 [Abstract]
Toxoplasma gondii, infectivity of trophozoites in body secretion examined by penetration through intact mucous membranes of mice, greater contamination hazard than previously known, easiest route of infection is intranasal

Infectivity
Raisanen, S.; and Saari, M., 1976, Med. Biol., v. 54 (2), 152-155
effect of preservation time and changes in osmotic pressure on infectivity and survival of Toxoplasma gondii trophozoites

Infectivity
Ramachandran, C. P.; and Zaini, M. A., 1968, Med. J. Malaya, v. 22 (3), 198-203
laboratory studies of transmission of subperiodic Brugia malayi by Aedes togoi, development of parasites to infective form, relationship of density of microfilariae in vertebrate host to number of mosquitoes infected

Infectivity
Ribeiro, R. D.; and Pereira Barretto, M., 1977, Rev. Brasil. Biol., v. 37 (1), 195-200
Trypanosoma cruzi strain isolated from Caluromys lanatus ochropus, pathogenic for mice, marsupial strain easily cultivated and has high infectivity for triatomines tested: Teofilo Otoni, M. G., Brazil

Infectivity
Richards, C. S., 1976, Bull. World Health Organ., v. 54 (6), 706-707
Schistosoma mansoni strain variations in infectivity for Biomphalaria glabrata, importance of recognizing potential for genetic differences in infectivity for vector snails

Infectivity
Richards, C. S., 1976, Symposia Brit. Soc. Parasitol., v. 14, pp. 45-54
Schistosoma mansoni in Biomphalaria glabrata, genetics of host-parasite relationship, selection for substrains more and less infective than parent St. Lucian strain of parasite, snail susceptibility to these substrains, symposium presentation

Infectivity
Richey, E. J.; et al., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 35-39
Anaplasma marginale, preservation by lyophilization, preliminary results: protective substances; duration of infectivity; effect of time of collection of infected blood during patent period

Infectivity
Roberts, C. J.; and Gray, A. R., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 278-279 [Abstract]
Trypanosoma congolense isolates from wild game animals, pattern of infectivity for rats may be different from previously described patterns

Infectivity
Roberts, R. H.; and Love, J. N., 1977, Am. J. Vet. Research, v. 38 (10), 1629-1630
Anaplasma marginale, calves, viability and infectivity after ingestion of infected erythrocytes by potential insect vectors (eye gnat (Hippelates pusio), horse flies (Tabanidae))

Infectivity
Rodriguez, P. H., 1975, J. Med. Entom., v. 12 (4), 447-450
Brugia pahangi, developing larvae in 3 susceptible strains of Aedes aegypti, decrease in susceptibility in high temperature stress

Infectivity
Rowntree, S.; and James, C., 1977, J. Helminth., v. 51 (1), 69-70
Schistosoma mansoni, comparison of infectivity of male vs. female cercariae, concluded that male parasite is stronger than female

Infectivity
Saari, K. M.; and Raisanen, S. A., 1977, Lancet, London (8047), v. 2, 1077 [Letter]
Toxoplasma gondii, studies show that trophozoites are capable of transmitting infections in acute stages of toxoplasmosis

Infectivity
Samish, M., 1977, Nature, London (5632), v. 270, 51-52
Theileria annulata, temperature of 37°C and relative humidity of 95% stimulates production of infective parasite forms in infected adult Hyalomma excavatum ticks without the need for a blood meal

Infectivity
Samish, M., 1977, J. Protozool., v. 24 (4), 67A-68A [Abstract]
Theileria annulata, transmission by Hyalomma excavatum, high temperature and humidity may cause uninfective particles in unfed ticks to change into infective ones

Infectivity
Samson, K. S.; and Wilson, G. I., 1974, Proc. Helminth. Soc. Washington, v. 41 (1), 112-113
Fasciola hepatica, Rouen ducks possible biological control agents, passage of metacercariae through ducks, infectivity for lambs, 99% reduction of viable metacercariae

Infectivity
Seed, T. M.; et al., 1976, Exper. Parasitol., v. 40 (3), 380-390
Plasmodium berghei (intraerythrocytic and ultrasonically liberated), effect of osmotic stress on cell ultrastructure and parasite infectivity, comparison with mouse host erythrocytes, results suggest these parasites have osmotic regulatory capacities at least comparable to host cells

Infectivity
Sheffield, H. G.; Frenkel, J. K.; and Ruiz, A., 1977, J. Parasitol., v. 63 (4), 629-641
Sarcocystis muris, mice, development of parasite, cyst wall, and parasitized muscle cells during course of infection and in correlation with potential infectivity of cyst organisms, ultrastructural study

Infectivity
Sikorowski, P. P.; and Lashomb, J. H., 1977, J. Invert. Path., v. 30 (1), 95-96
Nosema heliothidis spores isolated from Heliothis zea, loss of infectivity after exposure to sunlight

Infectivity
Sinden, R. E.; and Garnham, P. C. C., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (5), 631-637
Plasmodium spp., sporozoite ultrastructure within oocyst and salivary glands, incidence of micropores and possible relationship to infectivity, sporozoite morphogenesis, abnormalities in development

Infectivity
Smalley, M. E.; and Sinden, R. E., 1977, Parasitology, v. 74 (1), 1-8
Plasmodium falciparum, gametocytes are both long-lived and show persistent infectivity to mosquitoes, they can stimulate antibody production but immune response appears to play no part in their elimination

Infectivity
Smith, H. J., 1976, Canad. J. Comp. Med., v. 40 (3), 320-321
mixed Ostertagia ostertagi and Cooperia oncophora larvae in experimentally infected calves, no significant maturation requirement obtained, maximum infectivity possibly related to incubation temperature

Infectivity
Sohi, S. S.; and Wilson, G. G., 1976, Canad. J. Zool., v. 54 (3), 336-342
Nosema disstriae, cell lines developed from hemocytes and ovarian tissues of naturally infected Malacosoma disstria larvae, spores from hemocyte cultures infectious to host larvae, possible use in large-scale production of insect pathogens; ovarian cultures disappeared after several passages

Infectivity
Srivastava, P. S.; and Sharma, N. N., 1976, Pantnagar J. Research, v. 1 (1), 70-72
Theileria annulata, cross-bred calves, infectivity and immunogenicity of infected washed bovine erythrocytes, calves highly susceptible to tick challenge (infected Hyalomma anatolicum)

Infectivity
Sullivan, J. J.; and Chernin, E., 1975, J. Parasitol., v. 61 (3), 572-573
Brugia pahangi, proportion and location of developing larvae recovered from male Meriones unguiculatus killed 10 or 11 days after oral or subcutaneous infection, useful for rapid determination of infectivity

Infectivity
Swietlikowski, M., 1969, Acta Parasitol. Polon., v. 17 (1-19), 95-101
Dictyocaulus viviparus, calves infected orally by larvae refrigerated 3 or 8 months; young larvae produce more severe disease; both ages cause similar immunological response; implications for overwintering, epizootiology, and self-cure

Infectivity
Targett, G. A. T.; Viens, P.; and Wilson, V. C. L. C., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 148 [Abstract]
Trypanosoma musculi, survival in immunized mouse host blood for at least 1 year in infective state

Infectivity
Teetor, G. E.; and Kramer, J. P., 1977, J. Invert. Path., v. 30 (3), 348-353
Octosporea muscaedomesticae, effect of ultraviolet radiation on naked spores, on various stages within host (Phormia regina), and on spores in host feces (survival, infectivity, development), uv-protective function ascribed to components provided by host's tissues and feces

Infectivity
Tosta, C. E.; and Filho, N., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 531 [Letter]
Plasmodium berghei, factor(s) in normal adult rat serum not related to malarial antibodies that causes decrease in infectivity of parasite

Infectivity
Upatham, E. S., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (6), 884-885 [Letter]
Schistosoma mansoni, infectivity of cercariae after passing over a waterfall, some did survive passage but risk of infection for people bathing or swimming below a waterfall is reduced significantly: St. Lucia

Infectivity
Upatham, E. S., 1974, Ann. Trop. Med. and Parasitol., v. 68 (2), 235-236
Schistosoma mansoni cercariae, infectivity in relation to stream velocity and distance from entry point including positions immediately above and in slow-flowing pools, epidemiological implications: St. Lucia

Infectivity
Vanderberg, J. P., 1974, J. Protozool., v. 21 (4), 527-537
Plasmodium spp. sporozoites, motility, locomotion, movement, effects of several factors (parasite species, oocyst vs. salivary gland sporozoites, presence of albumin or globulins, temperature), relationship to infectivity, immunogenicity (circumsporozoite precipitate reaction), and secretory activity

Infectivity
Verster, A.; Du Plessis, T. A.; and van den Heever, L. W., 1976, Onderstepoort J. Vet. Research, v. 43 (1), 23-26
Taenia solium cysticerci, effect of various doses of gamma radiation on in vitro evagination and on infectivity, longevity, and growth in golden hamsters, infested carcasses can possibly be rendered fit for human consumption when exposed to 20-60 krad. of gamma radiation

Infectivity
Vetter, J. C. M.; and Klaver-Wesseling, J. C. M., 1977, J. Parasitol., v. 63 (4), 700
Ancylostoma ceylanicum, unimpaired infectivity of larvae after storage in liquid nitrogen for one year

Infectivity
Waldeland, H., 1977, Acta Vet. Scand., v. 18 (2), 248-256
Toxoplasma gondii, sheep experimentally infected with sheep strain and RH strain, no significant changes in blood values, T. gondii cysts recovered from meat samples of lambs inoculated with sheep strain, but not from lambs inoculated with RH strain

Infectivity
Weiss, M. L., 1976, Exper. Parasitol., v. 40 (1), 103-111
Plasmodium berghei, mouse strain noninfective but highly immunogenic for Meriones unguiculatus was adapted to M. unguiculatus through serial passage of infected blood, antigenic changes during adaptation, loss of infectivity for mice, different antigens apparently responsible for immunogenicity vs. infectivity, vaccination led to production of some protective antibody but also to blocking and enhancing antibody

Infectivity
Wilkinson, R. N.; Noeypatimanondh, S.; and Gould, D. J., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 306-307
Plasmodium falciparum, malaria patients before and after chloroquine treatment, infectivity for Anopheles balabacensis and A. minimus, possible relationship to drug resistance: Thailand

Infectivity
Wilson, G. I.; Blachut, K.; and Roberts, I. H., 1977, Research Vet. Sc., v. 22 (3), 292-297
Psoroptes ovis, infectivity to sheep introduced into naturally contaminated enclosures after periods of vacancy (under conditions in southwestern United States), recommended time lapse before contaminated animal enclosures can be used by clean sheep; experimental transfer of mites to sheep following periods of off-host storage at various temperatures, mite survival rate

Infectivity
Wright, C. A.; and Southgate, V. R., 1976, Symposia Brit. Soc. Parasitol., v. 14, 55-86
hybridization of schistosomes (history, reciprocity of interspecific pairings, egg morphology of hybrids, intermediate and definitive host infectivity of hybrids, behavior of hybrid cercariae, isoenzymes of hybrids), review with results of recent work on Schistosoma haematobium X S. intercalatum, practical implications, symposium presentation

Infectivity
van Wyk, J. A.; van Rensburg, L. J.; and Heitmann, L. P., 1976, Onderstepoort J. Vet. Research, v. 43 (2), 43-54
Schistosoma mattheei, Merino and Dorper sheep (exper.), influence of host age and breed on infestation (host susceptibility, cercarial penetration and development to adults, distribution of worms in host, worm sex ratio, egg excretion); variation in cercarial infectivity

Infectivity
Yousif, F.; and Laemmler, G., 1975, Ztschr. Parasitenk., v. 47 (3), 191-201
Angiostrongylus cantonensis, factors influencing infectivity of first stage larvae to Biomphalaria glabrata, size of snails, number of larvae, age of larvae, individual or mass exposure, length of exposure, temperature, light

Inhibited development. See Development.

Integument. [See also Cuticle; Parasite surfaces; Skin; Tegument]

Integument
Bruce, J. I.; and Pezzlo, F., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 563 [Demonstration]
Schistosoma mansoni, mice (exper.), ultrastructure of host skin, lung and liver and of migrating larva integument following cercarial penetration

Integument
Hart, R. J.; Turner, R.; and Wilson, R. G., 1977, Internat. J. Parasitol., v. 7 (2), 129-134
Hymenolepis nana, bunamidine causes decrease in glucose uptake and increase in glucose efflux and stimulation of surface phosphatase activity, suggests that disruption of integument is mode of action by which worm death is caused, ultrastructural studies confirm these biochemical indications of integumental damage

Integument
Kuntz, R. E.; et al., 1976, J. Parasitol., v. 62 (1), 63-69
Schistosoma haematobium, specimens prepared by critical point drying technique, scanning electron microscopy of integumental surfaces, differences between sexes and different parts of the same parasite

Integument
Kuntz, R. E.; et al., 1977, J. Parasitol., v. 63 (3), 401-406
Schistosoma intercalatum adults, integumental surfaces, scanning electron microscopy of critical point dried specimens

Integument
Poliakova-Krusteva, O., 1974, Izvest. Tsentral. Khelmint. Lab., v. 17, 89-99
Dicrocoelium lanceatum, integument, ultrastructure

Integument
Sakamoto, K.; and Ishii, Y., 1977, J. Parasitol., v. 63 (3), 407-412
Schistosoma japonicum adults, integumental surfaces, scanning electron microscopy of critical point dried specimens

Integument
Sogandares-Bernal, F., 1976, J. Parasitol., v. 62 (2), 222-226
Schistosoma mansoni adults, 7S$_{\gamma 2b}$ antibody attached to and in the integument does not seem to fix complement, may act in enhancing and blocking roles which protect worms from host

Integument
Vasilev, I.; and Poliakova-Krusteva, O., 1973, Izvest. Tsentral. Khelmint. Lab., v. 16 29-42
Raillietina carneostrobilata, integument, ultrastructure

Intelligence
Bell, R. M. S.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (5), 694-701
schistosomiasis, school children, impaired intellectual ability in infected children, treatment with intramuscular hycanthone mesylate produced significant improvement: Rhodesia

Interferon
Brocklesby, D. W.; and Harradine, D. L., 1973, Research Vet. Sc., v. 14 (3), 397-398
Babesia rodhaini, mice, death delayed by approximately 1 day by prolonged administration of an interferon inducer

Interferon
Rytel, M. W.; Rose, H. D.; and Stewart, R. D., 1973, Proc. Soc. Exper. Biol. and Med., v. 144 (1), 122-123
Trypanosoma cruzi, Plasmodium falciparum, P. vivax, humans, lack of circulating humoral interferon in serum of persons with acute illness

Intestine. [See also Colitis; Digestive system; Enteritis; Gastroenteritis]

Intestine, Host
Ali-Khan, Z.; and Seemayer, T. A., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (5-6), 473-476
Strongyloides stercoralis, fatal bowel infarction and septicemia in man with systemic strongyloidiasis, clinical case report, possible relationships between auto-infection and long-term steroid therapy: Montreal, Canada (immigrant from Hong Kong)

Intestine, Host
Anderson, W. I.; et al., 1977, Avian Path., v. 6 (2), 125-130
Eimeria meleagrimitis, E. gallopavonis, E. adenoeides, turkey poults, altered intestinal pH values

Intestine, Host
Andreassen, J.; and Jørring, K., 1970, Nord. Med., Stockholm, v. 84 (48), 1492-1495
anisakiasis in human presenting as acute appendicitis, at surgical intervention white worm larvae discovered in intestinal wall, other larvae found in patient's home-salted herring: Denmark

Intestine, Host
Angate, Y.; et al., 1974, Medecine Afrique Noire, v. 21 (1), 61-65
symptoms of acute abdomen resulting from human intestinal parasites, medical and surgical care, case reports: Abidjan, Ivory Coast

Intestine, Host
Ashizawa, H.; et al., 1975, Bull. Fac. Agric. Miyazaki Univ., v. 22 (2), 211-220
Trichuris suis, pathology of swine cecum and colon: slaughterhouses in Kagoshima and Miyazaki Prefectures

Intestine, Host
Ausin, J. M.; Baquedano, F.; and Medina, A., 1966, Bol. Chileno Parasitol., v. 21 (3), 88-91
Ascaris lumbricoides in 4-year-old child, expulsion of 2 living adult worms through the umbilicus, X-ray examination showed fistula into small bowel, case report: San Fernando, Chile

Intestine, Host
Badran, I.; et al., 1973, Med. J. Cairo Univ., v. 41 (4), 245-268
extensive clinical review of human schistosomal proctocolonic polyposis, medical treatment with ambilhar and iron therapy for severe anemia, indications for surgery in more severe cases: Egypt

Intestine, Host
Bartholomew, C.; et al., 1977, Postgrad. Med. J., London (617), v. 53, 139-142
Strongyloides stercoralis, humans, case reports of sprue-like symptoms and pseudo-intestinal obstruction, pathologic findings, good results with thiabendazole therapy: Trinidad, West Indies

Intestine, Host
Benz, G. W.; and Ernst, J. V., 1976, Am. J. Vet. Research, v. 37 (8), 895-899
Cooperia punctata and/or Eimeria bovis-infected calves, reduced alkaline phosphatase activities in intestinal mucosa

Intestine, Host
Boorman, G. A.; et al., 1973, Lab. Animal Sc., v. 23 (2), 187-193
Hexamita muris, Giardia muris, potentially pathogenic in newly weaned mice, causing enteritis and mortality in association with normal intestinal bacterial flora, quinacrine dihydrochloride not effective in reducing mortality, dimetridazole effective

Intestine, Host
Bueno, L.; Dorchies, P.; and Ruckebusch, Y., 1976, Compt. Rend. Soc. Biol., Paris, v. 169 (6), 1975, 1627-1632
Trichostrongylus, lambs (exper.), disturbances in gastrointestinal motility preceding diarrhea, electromyographic analysis, effect of thiabendazole treatment

Intestine, Host
Cantor, D. S.; et al., 1966, Bol. Chileno Parasitol., v. 21 (3), 70-76
Necator americanus, small bowel studies of humans with single and mixed parasitic infections to correlate pathology and fecal fat excretion: Argentina

Intestine, Host
Carbo'Baptista, N.; Larbier, M.; and Yvore, P., 1976, Avian Path., v. 5 (3), 187-194
Eimeria acervulina, decreased intestinal absorption of ^{14}C L-lysine and water accompanied by an increase in tissue water content and in secretion rate of mineral ions (Na$^+$ and K$^+$) in infected chicks

Intestine, Host
Casarosa, L.; Lugetti, G.; and Marconcini, A., 1973, Isotopes and Radiation Parasitol. III, 113-126
Ascaris suum, guinea pigs vaccinated and then subjected to whole-body irradiation, enteric wall reactivity against challenge, relationship to in vitro adherence reaction

Intestine, Host
Casarosa, L.; Lugetti, G.; and Marconcini, A., 1974, Ann. Fac. Med. Vet. Pisa, v. 26, 1973, 385-401
Ascaris suum-vaccinated guinea pigs, total body x-irradiation and challenge infection, enteric wall reactivity, globule leukocytes, immunoglobulin-containing cells; globule leukocytes depleted in challenged hosts; higher number of fluorescing mature plasma cells in lamina propria of vaccinated animals

Intestine, Host
Castro, G. A.; et al., 1976, Gastroenterology, v. 71 (4), 620-625
Trichinella spiralis, increased propulsive activity in parasitized rats with associated inflammatory changes and a significant reduction in disaccharidase levels in gut mucosa

Intestine, Host
Castro, G. A.; Post, C. A.; and Roy, S. A., 1977, J. Parasitol., v. 63 (4), 713-719
Trichinella spiralis-immunized rats, challenge infection does not elicit changes in intestinal motility in contrast to a primary infection of equal size which enhances intestinal transit

Intestine, Host
Chavarria Gonzalez, S.; and Rivera Reyes, H. H., 1976, Prensa Med. Mexicana, v. 41 (3-4), 76-83
Entamoeba histolytica, humans, resulting in intestinal perforation, review of 55 cases, clinical aspects, pathology: Mexico

Intestine, Host
Croll, N. A., 1976, Internat. J. Parasitol., v. 6 (5), 441-448
Nippostrongylus brasiliensis, dispersion in rat intestine related to host feeding and diet

Intestine, Host
Croll, N. A.; and Ma, K., 1977, Internat. J. Parasitol., v. 7 (1), 21-26
Nippostrongylus brasiliensis, localization in rats, influence of surgical manipulation of intestine and mesenteric blood supply on dispersion

Intestine, Host
Crompton, D. W. T.; and Nesheim, M. C., 1976, Advances Parasitol., v. 14, 95-194
host-parasite relationships in alimentary tract of domestic birds, extensive review: nutrition of domestic birds; alimentary tract as habitat for parasites; alimentary tract of germ-free birds; parasite distribution within alimentary tract; relationships between parasites and host digestive physiology and nutrition

Intestine, Host
Cypess, R. H.; Ebersole, J. L.; and Molinari, J. A., 1977, Internat. Arch. Allergy and Applied Immunol., v. 55 (1-6), 496-503
Heligmosomoides polygyrus-infected mice, intestinal perfusates, radial immunodiffusion analysis, alteration in amount and class of immunoglobulins as well as anti-parasitic antibody

Intestine, Host
Darmawan, S.; and Sudjarwo, S. R., 1971, Paediat. Indonesiana, v. 11 (4), 167-172
amoebiasis, fatal intestinal perforation due to infection in 8-month-old child, case report: Indonesia

Intestine, Host
Desai, M. H.; and Mahmud-Durrani, A., 1971, Med. J. Zambia, v. 5 (3), 101-105
case report of human intestinal obstruction caused by Schistosoma haematobium granuloma: Zambia

Intestine, Host
Dharsana, R. S.; Fabiyi, J. P.; and Hutchinson, G. W., 1976, Vet. Parasitol., v. 2 (4), 333-340
mixed gastro-intestinal nematode infections, calves, effects on host intestinal enzymes

Intestine, Host
Duncan, J. L.; and Pirie, H. M., 1975, Research Vet. Sc., v. 18 (1), 82-93
Strongylus vulgaris, single experimental infections of worm-free pony foals, clinical signs, pathology (intestinal and arterial lesions), and clinical pathology (haematology, serum proteins)

Intestine, Host
Dunkley, L. C.; and Mettrick, D. F., 1977, Exper. Parasitol., v. 41 (1), 213-228
Hymenolepis diminuta, rats, dietary carbohydrate intake, host's intestinal and blood plasma glucose levels, worm migration

Intestine, Host
Enigk, K.; and Dey-Hazra, A., 1975, Vet. Parasitol., v. 1 (1), 69-75
Strongyloides ransomi-infected piglets, measurement of plasma and red cell loss into intestinal tract, leakage of plasma protein into gut is greater than can be accounted for in terms of whole blood loss

Intestine, Host
Enigk, K.; and Dey-Hazra, A., 1976, Vet. Parasitol., v. 2 (2), 177-185
Eimeria necatrix, chickens, maltase and saccharase activity of intestinal mucosa during mild and severe infections

Intestine, Host
Enigk, K.; Dey-Hazra, A.; and Eduardo, S. L., 1976, J. Comp. Path., v. 86 (2), 243-250
Strongyloides ransomi, pathogenesis in pigs, activity of disaccharidases and dipeptidases of intestinal mucosa during mild and severe infections

Intestine, Host
Ferguson, D. J. P.; Hutchison, W. M.; and Siim, J. C., 1976, Acta Path. et Microbiol. Scand., v. 84B (4), 189-195
effect of endo-enteric development of Toxoplasma gondii on the ultrastructure of epithelial cells of the small intestine of infected cats

Intestine, Host
de Figueiredo, N.; et al., 1968, Bol. Chileno Parasitol., v. 23 (1-2), 57-59
intestinal histopathology as ascertained by oral biopsies, common human intestinal parasites

Intestine, Host
Gambescia, R. A.; et al., 1976, Am. J. Digest. Dis., n.s., v. 21 (11), 988-991
Schistosoma mansoni, man, perforated ulcer of right colon with ova remnants at ulcer base, case report: Florida (Puerto Rican native)

Intestine, Host
Garcia, F. T.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 859-865
Strongyloides stercoralis, humans, results of study of intestinal function and morphology in strongyloidiasis show that associated malabsorption syndrome is secondary to concomitant malnutrition and not to the parasite per se

Intestine, Host
Gherman, I.; et al., 1970, Med. Int., Bucuresti, v. 22 (3), 335-344
giardiasis, Strongyloides stercoralis, attempt to establish parasitic duodenitis as a clinical entity

Intestine, Host
Goodman, M. A.; Henderson, J. I.; and Cullity, G. J., 1973, Med. J. Australia, v. 2 (11), 547-550
Fasciola hepatica infestation of liver and biliary tract in young girl causing jaundice and severe intestinal hemorrhage, case report, surgical management with follow-up dehydroemetine therapy: Australia

Intestine, Host
Gove, R. B., 1972, Med. J. Zambia, v. 6 (5), 149-155
routine rectal-sigmoid biopsy in diagnosed cases of Schistosoma haematobium urinary tract infections disclosed frequent concomitant Schistosoma mansoni infections of intestine: Zambia

Intestine, Host
Gregory, P. B., 1976, Gastroenterology, v. 70 (4), 585-588
case report of refractory hepatic amoebiasis in man despite multiple courses of emetine, chloroquine, and metronidazole, final resolution of infection after treatment of Entamoeba histolytica intestinal infection with various drugs considered as probable cause of continuing reinfection of liver: California

Intestine, Host
Hall, G. A.; Rutter, J. M.; and Beer, R. J. S., 1976, J. Comp. Path., v. 86 (2), 285-292
Trichuris suis, sequential development of large intestinal lesions in piglets (conventionally reared vs. specific-pathogen-free vs. gnotobiotic) studied histologically, synergistic effect of T. suis and bacterial flora in disease process

Intestine, Host
Helfer, D. H.; and Koller, L. D., 1976, Cornell Vet., v. 66 (3), 369-371
coccidial forms in intestinal polyps, lamb, probably only coincidental

Intestine, Host
Hira, P. R., 1977, East African Med. J., v. 54 (4), 224-226
Eristalis tenax in man resulting in rectal myiasis, clinical case report: Zambia

Intestine, Host
Hurwitz, S.; Shamir, N.; and Bar, A., 1973, Isotopes and Radiation Parasitol. III, 61-65
Ascaridia galli-infected chicks, absorption and digestion of protein and absorption of phosphate from intestine

Intestine, Host
Kennedy, M. W., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 285 [Demonstration]
Trichinella spiralis in NIH mice, kinetics of establishment and rejection of enteral phase of primary infection

Intestine, Host
Kieninger, G.; and Madecki, O., 1972, Med. Welt, v. 23 (2), 59-61
Ascaris lumbricoides, human, intestinal obstruction and perforation, surgical aspects of treatment

Intestine, Host
Kliks, M.; Tantachamrun, T.; and Chaiyaporn, V., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (2), 303-309
Macracanthorhynchus hirudinaceus, human, fertilized female worm removed from ulcerous area of intestinal wall, infection probably resulted from ingestion of intermediate host beetle as food, clinical case report, morphology of recovered worm: Thailand

Intestine, Host
Kunzle, J. E.; de Britto-Costa, R.; and Ziliotto, A., jr., 1976, Bol. Chileno Parasitol., v. 31 (1-2), 2-5
Chagas disease in humans, duodenal arteriomesenteric occlusion, case reports, need for consideration in differential diagnosis and etiology of duodenal ileus: Sao Paulo, Brazil

Intestine, Host
Labay, G. R.; Mori, K.; and Datta, B., 1975, N. York State J. Med., v. 75 (3), 410-413
human schistosomal infections co-existing with ileocecal tuberculosis, 2 case reports, differential diagnosis difficult since dual infection mimicked a variety of ileocecal pathologic conditions: New York City

Intestine, Host
Lamy, C.; et al., 1976, Nouv. Presse Med., v. 5 (15), 1005-1006 [Letter]
intestinal distomiasis in man who had recently traveled to Japan and eaten raw fish and aquatic plants, clinical case report, relief of symptoms with niclosamide: Caen, France

Intestine, Host
Lawrence, J. A., 1977, J. South African Vet. Ass., v. 48 (1), 55-58
Schistosoma mattheei, ox (nat. and exper.), acute and subacute intestinal syndromes: Southern Rhodesia

Intestine, Host
Lewis, J. W.; and Bryant, V., 1976, J. Helminth., v. 50 (3), 163-171
Nematospiroides dubius, distribution within small intestine of mice up to 60 days post-infection, relation of establishment and pattern of distribution to host age and sex, degree of aggregation of worm populations with respect to host intestine and to each other

Intestine, Host
Lieberman, R. C.; and Goldberg, H. M., 1970, Mil. Med., v. 135 (4), 284-285
Entamoeba histolytica, man, perforated ameboma of transverse colon, case report: Georgia (military service 9 years earlier in Southeast Asia)

Intestine, Host
Loesch, F. A., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 383-392
first description of Amoeba coli with report of clinical aspects of recurrent human intestinal amoebiasis, English translation of German article published in 1875

Intestine, Host
Long, P. L.; and Millard, B. J., 1976, Parasitology, v. 73 (3), 327-336
Eimeria praecox, E. maxima, E. acervulina, site finding and site specificity in chickens

Intestine, Host
Love, R. J.; and Ogilvie, B. M., 1977, Exper. Parasitol., v. 41 (1), 124-132
Nippostrongylus brasiliensis, Trichinella spiralis, rats, increased localization of thoracic duct lymphoblasts in small intestine, not correlated with presence of antigen but related to factors associated with inflammation, no increase in blast localization in lactating vs. nonlactating rats but increased localization in lactating mammary gland

Intestine, Host
Manzano, C.; and Barrera, J. L., 1977, Pediat. Radiol., v. 5 (3), 148-153
intestinal amoebiasis in young child, associated invasion of skin and perineum with resulting stenosis of the anus and secondary megacolon, diagnosis by X-ray

Intestine, Host
Mathur, S. C.; et al., 1975, Med. and Surg., Bombay, v. 15 (7), 5-7
report of 3 cases of small bowel perforation resulting from infections with Ascaris lumbricoides: Jaipur, Rajasthan, India

Intestine, Host
Mead, R. W., 1976, Tr. Am. Micr. Soc., v. 95 (2), 183-188
Hymenolepis diminuta, distribution of amylase activity within infected and uninfected rat intestine using starch substrate film method, no difference in relative amylase activity, results indicated that differences in starch digestion between infected and uninfected rats were not due to changes in distribution of intralumenal amylase along the small intestine

Intestine, Host
Nath, D., 1977, Indian J. Animal Sc., v. 45 (7), 1975, 505-507
Echinoparyphium flexum, chicks (exper.), pathology, duodenum

Intestine, Host
Nicolaides, N. J.; et al., 1977, Pathology, v. 9 (2), 129-135
Physalopteridae [sp.], probably Physaloptera sp. causing small bowel infarction in 11-month-old infant, infection thought to have resulted from ingestion of insects on grass eaten while at play in an area contaminated by bandicoots (probable definitive host), pathology resulted when larvae attempted tissue migration for re-encystment in a foreign host, clinical report: Queensland, Australia

Intestine, Host
Nocito, J. C., 1977, Prensa Med. Argent., v. 64 (6), 174-175
human echinococcosis, surgical management of transhepatic lumbar fistula of right colon after hydatid cyst drainage, clinical case report: Buenos Aires, Argentina

Intestine, Host
Okumura, M.; et al., 1975, Med. and Surg., Bombay, v. 15 (8), 8-13
acute intestinal obstruction resulting from Ascaris lumbricoides, review of 455 cases observed in young children, differential diagnosis, pathologic findings, clinical management: Sao Paulo

Intestine, Host
Pande, B. P.; and Shukla, R. P., 1974, Indian J. Animal Sc., v. 43 (8), 1973, 766-774
heterophyid flukes in hamsters (exper.), histological study of intestinal lesions; possible relevance of findings to detection of human intestinal heterophyidiasis

Intestine, Host
Pappas, P. W., 1976, Exper. Parasitol., v. 40 (3), 320-329
Hymenolepis microstoma, mice, attempted correlation of histopathological response and organ hypertrophy

Intestine, Host
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Intrauterine infection. See Prenatal infection.

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Plasmodium, invasion of red cells, symposium presentation: process of invasion (structure and formation of merozoites; release of merozoites from schizont; extracellular transit; adhesion to new host cell; invasion (theories of red cell deformation, removal of cell coat, passage of merozoite into parasitophorous vacuole, comparison with invasion in other genera of coccidians, recognition of red cell by merozoites); transformation of merozoites into trophic parasite); immunological aspects of invasion

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Plasmodium knowlesi merozoites, fine structure and invasive behavior

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Plasmodium falciparum, P. knowlesi, susceptibility of human erythrocytes lacking various blood group antigens to invasion, differential effect of enzyme treatment of human erythrocytes on invasion, evidence for difference in erythrocyte surface receptors for these two parasites

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Babesia microti, invasion into erythrocytes

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endocytic uptake of particles by mononuclear phagocytes in relation to penetration of obligate intracellular parasites, workshop report

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(Gongylonema pulchrum; Haemonchus contortus; Marshallagia marshalli; Parabronema skrjabini; Camelostrongylus mentulatus; Ostertagia circumcincta; O. occidentalis; O. trifurcata; O. ostertagi; Trichostrongylus axei; T. colubriformis; T. vitrinus; T. capricola; T. probolurus; Nematodirus abnormalis; N. oiratianus; N. spathiger; N. filicollis; N. archari; Bunostomum trigonocephalum; Chabertia ovina; Oesophagostomum venulosum; Skrjabinema ovis; Trichuris ovis; T. skrjabini; T. discolor; T. barbertonensis; Paramphistomum cervi; Moniezia expnasa)

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epidemiologic survey of human intestinal parasites in Khorasan Province, Iran and comparisons with previous survey areas (Ascaris lumbricoides; Enterobius vermicularis; Trichuris trichiura; Strongyloides stercoralis; Taenia saginata; Hymenolepis nana; Entamoeba histolytica; Giardia lamblia; Trichomonas hominis; Chilomastix mesnili; Trichostrongylus probolurus; T. orientalis; T. vitrinus; T. colubriformis; Necator americanus; Ancylostoma duodenale)

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intestinal parasites, prevalence in 24,287 stool specimens in general charity hospital 1967-1970, decrease related to improvement of education and hygiene: Fars Province, Iran
(Ascaris lumbricoides; Trichuris trichiura; Enterobius vermicularis; Trichostrongylus species; Strongyloides stercoralis; hookworm species; Hymenolepis nana; Taenia saginata; Fasciola hepatica; Entamoeba coli; E. histolytica; Dientamoeba fragilis; Giardia lamblia; Iodamoeba buetschlii; Endolimax nana; Chilomastix mesnili; Trichomonas hominis)

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Schistosoma haematobium in humans, Bulinus truncatus regarded as potential vector on Kano Plain of Kenya with increase of irrigation developments and possible establishment of parasite strains from North Africa and the Middle East

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Irrigation
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